Incident ID: nAPP2315236756
Remediation and Closure Report
Margarita Pony Riser
Produced Water Release
Lea County, New Mexico

Latitude: 32.58205
Longitude: -103.64093

LAI Project No. 23-0105-04

October 18, 2024

Prepared for:
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1.0 INTRODUCTION

Larson & Associates, Inc. (LAI) has prepared this remediation report on behalf of Select Water, LLC. (Select) for submittal to the New Mexico Oil Conservation Division (NMOCD) District I in Hobbs, New Mexico, for a produced water release at the Margarita Pony Riser (Site). The Site is located in Unit M (SW/4, SW/4), Section 11, Township 20 South, Range 33 East in Lea County, New Mexico. The geodetic position is North 32.58205° and West -103.64093°. Figure 1 presents a topographic map.

1.1 Background

The release was discovered on June 1, 2023, and was the result of a lay flat line being run over by a vehicle, causing produced water to be released into the right-of-way adjacent to the Site, on land federally owned land, managed by the Bureau of Land Management (BLM). Approximately 300 barrels (bbls) of produced water was released over an area of about 10,514 square feet, with 140 bbls recovered. The initial C-141 was submitted to the NMOCD on September 13, 2023, and was assigned incident number nAPP2135052895. Appendix A presents the initial C-141.

1.2 Physical Setting

The physical setting is as follows:

- Surface elevation is approximately 3,580 feet above mean sea level (MSL).
- Surface topography gently slopes to the northwest.
- The nearest continuously flowing water course is located 32 miles to the southwest.
- The nearest lakebed, sinkhole, or playa lake is located 2.78 miles to the northwest.
- The nearest wetland is located 2.78 miles to the northwest.
- The nearest subsurface mine is located 9.5 miles to the southwest.
- The nearest 100-year flood plain is located 18.2 miles to the northwest.
- There nearest freshwater well for stock watering purposes is 8.1 miles to the northeast.
- USGS karst occurrence potential data designates the area as low risk.
- The soils are designated as Tonuco loamy fine sand and consists of 0 to 12 inches of loamy fine sand, underlain by 12 to 17 inches of loamy sand, and 17 to 39 inches cemented material (caliche).
- The geology is described as Holocene to middle Pleistocene aged eolian and piedmont deposits consisting of interlayered eolian sands and piedmont-slope deposits.
- Groundwater occurs at 36 feet below ground surface (bgs) based on a groundwater boring (CP-1980 Pod 1) drilled on December 11, 2023, at the Site.

Appendix B presents a karst potential map. Appendix C presents well record and well log.

1.3 Remediation Standards

The Following remediation standards are based on closure criteria for soil impacted by a release as presented in Table 1 of 19.15.29 NMAC for groundwater less than 51 feet bgs.

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

Furthermore, 19.15.29.13 NMAC (Restoration, Reclamation, and Revegetation) requires the operator to restore the impacted surface area to the condition prior to the release, or to its final land use.

2.0 DELINEATON

The release was fully delineated between June 15 and August 17, 2023, by LAI and Vertex Resource Services, Inc. (Vertex) personnel. Vertex submitted a remediation plan titled, *Environmental Site Remediation Work Plan*, to the NMOCD, that was approved on January 12, 2024. The report recommended removing 2,000 cubic yards of impacted soil from an area of approximately 11,868 square feet, at depths varying between one (1) and four (4) feet bgs, including:

- Excavate areas encompassing BH23-03, BH23-06 to a depth of 1-foot bgs.
- Excavate area encompassing BH23-02 to depth of three (3) feet bgs.
- Excavate areas encompassing BH23-01, BH23-04, BH23-05, and BH23-07 to a depth of four (4) feet bgs.
- Collect confirmation samples in accordance with NMCOD guidelines.
- Analyze confirmation samples for BTEX, TPH, and chloride.
- Backfill the excavation with clean locally sourced soil.

Table 1 presents the delineation soil sample analytical data summary. Figure 2 presents an aerial map with delineation soil sample locations. Appendix D presents NMOCD communications.

3.0 REMEDIATION

Between November 21, 2023, and July 18, 2024, Apeck Construction, LLC (Apeck), excavated about 5,949 cubic yards of impacted soil from an area of 13,674 square feet using a combination of mechanical and hydro excavation methods. Mechanically excavated soil was temporally stored on a plastic liner near the excavation and the hydro-excavated media was stored in an onsite containment. All excavated material will be transported to the Lea Land Landfill located between Hobbs and Carlsbad, New Mexico. Between LAI and Vertex personnel, a total of 158 confirmation soil samples were collected from 103 locations. All samples were analyzed for BTEX by EPA SW-846 Method 8021B; total petroleum hydrocarbons (TPH), including gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (MRO) by EPA SW-846 Method 8015M; and chloride by EPA Method 300.

Between November 21, 2023, and December 11, 2023, Apeck, under the guidance of Vertex, excavated about 1,870 cubic yards of impacted soil from an area of approximately 6,672 square feet. Vertex collected 61 laboratory analyzed confirmation samples from 48 bottom sample locations (C-2 through C-49) and 16 sidewall sample locations (SW-05, SW-06, SW-08 through SW-11, SW-13 through SW-20, and SW-22 through SW-27). Note that samples collected by Vertex were originally prefixed with BES23 for bottom samples and WES23 for sidewall samples. The prefixes were changed to "C" and "SW", respectfully, for clarity and conciseness. Sampling notification was submitted to the NMOCD on December 6 and 7, 2023. The samples were sent to Hall Environmental Analysis Laboratory Inc., (Hall) in Albuquerque, New Mexico. Hall reported that benzene, BTEX, and TPH were below NMOCD closure criteria in all samples. Chloride was reported above NMOCD closure criteria the following samples:

- C-01: 780 mg/Kg
- C-02: 4,500 mg/Kg
- C-09: 910 mg/Kg
- C-10: 6,300 mg/Kg
- C-12: 8,800 mg/Kg
- C-13: 5,400 mg/Kg
- C-14: 7,800 mg/Kg
- C-15: 8,800 mg/Kg
- C-16: 9,300 mg/Kg
- C-17: 14,000 mg/Kg
- C-18: 17,000 mg/Kg
- C-19: 780 mg/Kg
- C-20: 3,000 mg/Kg
- C-21: 2,600 mg/Kg
- C-23: 7,300 mg/Kg
- C-24: 3,000 mg/Kg
- C-25: 790 mg/Kg
- C-26: 1,400 mg/Kg
- C-27: 1,200 mg/Kg
- C-28: 2,200 mg/Kg
- C-29: 2,300 mg/Kg
- C-30: 2,000 mg/Kg
- C-31: 2,500 mg/Kg
- C-32: 1,800 mg/Kg
- C-33: 1,900 mg/Kg
- C-34: 7,000 mg/Kg
- C-35: 1,200 mg/Kg
- C-36: 7,900 mg/Kg
- C-37: 15,000 mg/Kg
- C-38: 8,300 mg/Kg
- C-39: 9,900 mg/Kg
- C-40: 4,900 mg/Kg
- C-41: 3,000 mg/Kg
- C-43: 1,300 mg/Kg
- C-44: 690 mg/Kg
- C-46: 3,200 mg/Kg
- C-47: 3,300 mg/Kg
- SW-08: 9,900 mg/Kg
- SW-10: 6,400 mg/Kg
- SW-13: 18,000 mg/Kg
- SW-14: 11,000 mg/Kg
- SW-15: 5,000 mg/Kg
- SW-16: 660 mg/Kg
- SW-17: 10,000 mg/Kg
- SW-18: 16,000 mg/Kg
- SW-19: 23,000 mg/Kg
- SW-20: 3,000 mg/Kg
- SW-22: 1,700 mg/Kg
- SW-23: 4,600 mg/Kg
- SW-24: 12,000 mg/Kg
- SW-25: 8,500 mg/Kg
- SW-26: 3,500 mg/Kg
- SW-27: 1,900 mg/Kg

On February 15, 2024, LAI personnel collected 29 initial confirmation samples from the excavation, including 24 bottom samples (C-50 through C-73) and five (5) sidewall samples (C-74 through C-78). The sidewall samples are equivalent to SW-23, SW-27, SW-26, SW-24, and SW-25, respectfully. Sampling notification was submitted to the NMOCD on February 13, 2024. The samples were delivered under chain-of-custody and preservation to Eurofins Laboratories (Eurofins) in Midland, Texas. Eurofins reported that benzene, BTEX, and TPH were below NMOCD closure criteria. Chloride was reported above the NMOCD closure criteria in the following samples:

- C-52: 2,580 mg/Kg
- C-53: 2,110 mg/Kg
- C-54: 3,900 mg/Kg
- C-55: 2,760 mg/Kg
- C-56: 3,200 mg/Kg
- C-57: 3,600 mg/Kg
- C-58: 4,410 mg/Kg
- C-59: 6,170 mg/Kg
- C-60: 2,670 mg/Kg
- C-61: 2,770 mg/Kg
- C-62: 6,360 mg/Kg
- C-63: 3,460 mg/Kg
- C-64: 3,830 mg/Kg
- C-66: 2,460 mg/Kg
- C-67: 4,300 mg/Kg
- C-68: 3,020 mg/Kg
- C-69: 1,630 mg/Kg
- C-70: 1,700 mg/Kg
- C-71: 1,060 mg/Kg
- C-72: 1,720 mg/Kg
- C-74: 2,020 mg/Kg
- C-76: 913 mg/Kg

On March 27, 2024, LAI personnel collected ten (10) samples including three (3) initial confirmation samples (C-79 through C-81) and seven (7) samples from areas that were further excavated due to chloride being reported above closure criteria. The resampled areas included C-46, C-60, C-66, C-67, C-68, C-74, and C-76. Sampling notification was submitted to the NMOCD on March 22, 2024. Eurofins analyzed the samples and reported that all samples were below NMOCD closure criteria for benzene, BTEX, and TPH. Chloride was reported above closure criteria in C-46 (1,290 mg/Kg).

Between April 15 and 19, 2024, LAI personnel collected 56 confirmation samples, including three (3) initial confirmation samples, and 53 samples from areas where further excavation occurred due to chloride being reported above the NMOCD closure criteria. The resampled areas included C-01, C-03 to C-08, C-24 to C-34, C-43, C-44, C-46 to C-47, C-52 to C-59, C-61 to C-64, C-69 to C-72, SW-08, SW-10, SW-13 to SW-16, SW-17 to SW-20, and SW-22. Additionally, sidewalls SW-13, SW-14, SW-15, SW-16, were subdivided into upper and lower samples, where the upper sample was collected from the surface to 4.1 feet bgs and lower sample was collected from 4.1 bgs to between six (6) and seven (7) feet bgs. Sampling notification was submitted to the NMOCD on April 11, 2024. Eurofins analyzed the samples and reported that benzene, BTEX, and TPH, were below NMOCD closure criteria. Chloride was reported above closure criteria in the following samples:

- C-01: 8,190 mg/Kg
- C-03: 13,800 mg/Kg
- C-04: 11,500 mg/Kg
- C-05: 901 mg/Kg
- C-06: 1,920 mg/Kg
- C-07: 2,520 mg/Kg
- C-08: 3,400 mg/Kg
- C-24: 811 mg/Kg
- C-26: 2,030 mg/Kg
- C-27: 650 mg/Kg
- C-28: 1,580 mg/Kg
- C-29: 839 mg/Kg
- C-30: 1,790 mg/Kg
- C-31: 1,510 mg/Kg
- C-32: 1,150 mg/Kg
- C-33: 997 mg/Kg
- C-34: 1,020 mg/Kg
- C-43: 1,820 mg/Kg
- C-44: 6,480 mg/Kg
- C-46: 4,330 mg/Kg
- C-47: 3,790 mg/Kg
- C-55: 5,690 mg/Kg
- C-56: 3,450 mg/Kg
- C-57: 5,910 mg/Kg
- C-58: 4,520 mg/Kg
- C-61: 800 mg/Kg
- C-62: 902 mg/Kg
- C-64: 1,330 mg/Kg
- C-70: 3,680 mg/Kg
- C-71: 662 mg/Kg
- C-72: 1,070 mg/Kg
- C-82: 767 mg/Kg
- C-84: 631 mg/Kg
- SW-08: 30,100 mg/Kg
- SW-10: 1,540 mg/Kg
- SW-13: 6,980 mg/Kg
- SW-15: 11,600 mg/Kg
- SW-16: 4,330 mg/Kg
- SW-18: 3,400 mg/Kg
- SW-19: 1,470 mg/Kg

On May 1,2024, LAI personnel collected confirmation sample SW-08 from the sidewall of the excavation, after additional excavation occurred in the area due to the sample previously being reported above the NMOCD closure criteria. Sampling notification was submitted to the NMOCD on April 29, 2024. Eurofins analyzed the sample and reported that all parameters, including benzene, and BTEX were below closure criteria. Chloride was reported above the NMOCD closure criteria at 1,960 mg/Kg.

On July 8 and 12, 2024, LAI personnel collected 39 confirmation samples from areas where further excavation occurred due to chloride being reported above the NMOCD closure criteria. The resampled areas included: C-01, C-02, C-03, C-04, C-05, C-06, C-09, C-12, C-13, C-14, C-15, C-16, C-17, C-19, C-20, C-21, C-28, C-29, C-34, C-36, C-37, C-38, C-39, C-40, C-43, C-44, C-46, C-55, C-56, C-57, C-58, C-61, C-62, C-64, C-82, C-84, SW-10, SW-18, and SW-19. Sampling notification was

submitted to the NMOCD on July 2 and 10, 2024. Eurofins analyzed the samples and reported that all parameters, including benzene, BTEX, TPH, and chloride were below NMOCD closure criteria.

Between July 15 and 18, 2024, LAI personnel collected 20 confirmation samples from areas where further excavation occurred due to chloride being reported the NMOCD above closure criteria. The resampled areas included: C-07, C-08, C-10, C-18, C-23, C-24, C-26, C-27, C-30, C-31, C-32, C-33, C-35, C-41, C-47, C-70, C-71, C-72, SW-15, and SW-16. Sampling notification was submitted to the NMOCD on July 10, 2024. Eurofins analyzed the samples and reported that all parameters, including benzene, BTEX, TPH, and chloride were below NMOCD closure criteria.

Laboratory analysis demonstrates that benzene, BTEX, TPH, and chloride are below NMOCD closure standards outlined in Table 1 of 19.15.29 NMAC in all confirmation soil samples. Table 2 presents the confirmation soil sample analytical summary. Figure 3 presents an aerial map with excavation boundaries and confirmation soil sample locations. Appendix D presents NMOCD communications and sample notifications.

4.0 RECLAMATION

On July 19, 2024, LAI personnel collected 10 composite backfill samples (BF-1 through BF-10) from clean backfill material (topsoil and caliche) hauled back from the Lea Land Landfill and stockpiled onsite. The samples were analyzed by Eurofins for benzene, BTEX, TPH, and chloride. The lab reported that all samples were below NMOCD closure criteria for all parameters.

Between August 8, 2024, and September 24, 2024, the excavation was backfilled with the clean backfill material. Caliche was used to backfill the excavation on the lease road, and topsoil was used to backfill excavations located in the pasture. Additional topsoil was used to recontour offsite areas to resemble previous surface conditions. On September 26 and 27, 2024, Apeck personnel seeded the pasture area with BLM Mix #3. Table 3 presents the analytical data of the backfill material. Appendix E presents the laboratory reports. Appendix F presents photographic documentation.

5.0 CLOSURE REQUEST

Select requests closure for nAPP2315236756.

Tables

Table 1
Delineation Sample Analytical Data Summary
Select Water Solutions - Margarita Pony Riser
Lea County, New Mexico
32° 34' 55.39621" N, 103° 38' 27.37543" W

Sample ID	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				***10***	***50***				***100***	***600***
S-1	0 - 1	06/15/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**22,700**
	2 *	07/28/2023	In-Situ	ND	ND	ND	ND	ND	ND	**1,700**
	3 *	08/16/2023	In-Situ	ND	ND	ND	ND	ND	ND	**780**
	4 *	08/16/2023	In-Situ	--	--	--	--	--	--	**--**
	6 *	08/16/2023	In-Situ	--	--	--	--	--	--	**--**
	10 *	08/16/2023	In-Situ	ND	ND	ND	ND	ND	ND	**500**
S-2	0 - 1 *	06/15/2023	In-Situ	<0.00198	<0.00396	<50.0	65.3	<50.0	65.3	**6,320**
	2 *	07/28/2023	In-Situ	ND	ND	ND	ND	ND	ND	1,600
	4 *	08/17/2023	In-Situ	--	--	--	--	--	--	--
	6 *	08/17/2023	In-Situ	ND	ND	ND	ND	ND	ND	ND
S-3	0 - 1	06/15/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**5,680**
	2	06/15/2023	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	**5,320**
	2 *	07/28/2023	In-Situ	ND	ND	ND	ND	ND	ND	ND
S-4	0 - 1	06/15/2023	In-Situ	<0.00200	<0.00399	<49.9	553	<49.9	**553**	**7,990**
	2 *	07/28/2023	In-Situ	ND	ND	ND	18	ND	18	**15,000**
	4 *	08/17/2023	In-Situ	ND	ND	ND	ND	ND	ND	ND
S-5	0 - 1	06/15/2023	In-Situ	<0.00200	<0.00400	<49.8	109	<49.8	**109**	**10,700**
	2	06/15/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	**5,830**
	2 *	07/28/2023	In-Situ	ND	ND	ND	ND	ND	ND	**5,300**
	4 *	08/17/2023	In-Situ	--	--	--	--	--	--	--
	6 *	08/17/2023	In-Situ	ND	ND	ND	ND	ND	ND	**4,000**
	8 *	08/17/2023	In-Situ	--	--	--	--	--	--	--
	10 *	08/17/2023	In-Situ	--	--	--	--	--	--	--
	12 *	08/17/2023	In-Situ	ND	ND	ND	ND	ND	ND	ND

Table 1
Delineation Sample Analytical Data Summary
Select Water Solutions - Margarita Pony Riser
Lea County, New Mexico
32° 34' 55.39621" N, 103° 38' 27.37543" W

Sample ID	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				***10***	***50***				***100***	***600***
S-6	0 - 1	06/15/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	**5,140**
	2 *	07/28/2023	In-Situ	ND	ND	ND	ND	ND	ND	ND
S-7	0 - 1	06/15/2023	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	**5,140**
	2 *	07/28/2023	In-Situ	ND	ND	ND	ND	ND	ND	**8,500**
	4 *	08/17/2023	In-Situ	ND	ND	ND	ND	ND	ND	ND
S-8	0 - 0.5	06/15/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	85.2
	2 *	07/28/2023	In-Situ	ND	ND	ND	ND	ND	ND	ND
S-9	0 - 0.5	06/15/2023	In-Situ	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	45.7
	2 *	07/28/2023	In-Situ	ND	ND	ND	ND	ND	ND	ND
S-10	0 - 0.5	06/15/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	43.1
	2 *	07/28/2023	In-Situ	ND	ND	ND	ND	ND	ND	ND
S-11	0 - 0.5	06/15/2023	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	44.9
	2 *	07/28/2023	In-Situ	ND	ND	ND	ND	ND	ND	ND

Table 1
Delineation Sample Analytical Data Summary
Select Water Solutions - Margarita Pony Riser
Lea County, New Mexico
32° 34' 55.39621" N, 103° 38' 27.37543" W

Sample ID	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				***10***	***50***				***100***	***600***
Notes:										
Analysis performed by Eurofins-Xenco Laboratories in Midland, Texas, or Hall Environmental Analysis Laboratory, in Albuquerque, New Mexico by EPA SW-846 8021B (BTEX), 8015M (TPH), and 300E (Chloride)										
BTEX: benzene, toluene, ethylbenzene, xylene										
TPH: total petroleum hydrocarbons										
GRO: gasoline range organics (C1-C10)										
DRO: diesel range organics (>C10-C28)										
MRO: oil range organics (>C28-C36)										
mg/Kg: milligrams per kilogram; equivalent to parts per million (ppm).										
<: Indicates that the parameter concentration is less than the analytical method reporting limit.										
ND: Analyte was not detected at the analytical method reporting limit.										
**: Sample collected by Vertex.*										
--: Sample was not laboratory analyzed.										
Depth in feet below ground surface (bgs).										
Bold and highlighted indicate that sample is above NMOCD delineation limits										

Table 2
Confirmation Soil Sample Analytical Data Summary
Pony Riser
Lea County, New Mexico
32°34'55.39621"N, 103°38'27.37543"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					*10*	*50*				*100/2,500*	*600/20,000*
C-01 *	4	Bottom	11/21/2023	Excavated	ND	ND	ND	ND	ND	ND	**780**
C-01	9	Bottom	04/15/2024	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**8,190**
C-01	12	Bottom	07/08/2024	In-situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	29.7
C-02 *	9	Bottom	11/28/2023	Excavated	ND	ND	ND	ND	ND	ND	**4,500**
C-02	14	Bottom	07/08/2024	In-situ	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	254
C-03	9	Bottom	04/15/2024	Excavated	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**13,800**
C-03	10	Bottom	07/08/2024	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	43.7
C-04	7	Bottom	04/15/2024	Excavated	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	**11,500**
C-04	10	Bottom	07/08/2024	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	161
C-05	7	Bottom	04/15/2024	Excavated	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	**901**
C-05	9	Bottom	07/12/2024	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	357
C-06	7	Bottom	04/15/2024	Excavated	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	**1,920**
C-06	8	Bottom	07/12/2024	In-situ	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	53.4
C-07	7	Bottom	04/15/2024	Excavated	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	**2,520**
C-07	10	Bottom	07/15/2024	In-situ	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	55.1
C-08	7	Bottom	04/15/2024	Excavated	<0.00202	<0.00404	<50.5	<50.5	<50.5	<50.5	**3,400**
C-08	13	Bottom	07/16/2024	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	55.5
C-09 *	5	Bottom	11/28/2023	Excavated	ND	ND	ND	ND	ND	ND	**910**
C-09	7	Bottom	07/12/2024	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	245
C-10 *	9	Bottom	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**6,300**
C-10	10	Bottom	07/18/2024	In-situ	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	7.8
C-11 *	9	Bottom	12/09/2023	In-situ	ND	ND	ND	ND	ND	ND	ND
C-12 *	7	Bottom	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**8,800**
C-12	9	Bottom	07/12/2024	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	16.9
C-13 *	7	Bottom	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**5,400**
C-13	10	Bottom	07/08/2024	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	42.3
C-14 *	7	Bottom	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**7,800**

Table 2
Confirmation Soil Sample Analytical Data Summary
Pony Riser
Lea County, New Mexico
32°34'55.39621"N, 103°38'27.37543"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					*10*	*50*				*100/2,500*	*600/20,000*
C-14	8	Bottom	07/12/2024	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	132
C-15 *	7	Bottom	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**8,800**
C-15	8	Bottom	07/12/2024	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	38.4
C-16 *	7	Bottom	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**9,300**
C-16	8	Bottom	07/12/2024	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	48.0
C-17 *	7	Bottom	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**14,000**
C-17	8	Bottom	07/12/2024	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	203
C-18 *	7	Bottom	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**17,000**
C-18	11	Bottom	07/16/2024	In-situ	<0.00198	<0.00397	<49.6	<49.6	<49.6	<49.6	182
C-19 *	7	Bottom	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**780**
C-19	9	Bottom	07/12/2024	In-situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	158
C-20 *	7	Bottom	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**3,000**
C-20	8	Bottom	07/12/2024	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	295
C-21 *	7	Bottom	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**2,600**
C-21	9	Bottom	07/12/2024	In-situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	169
C-22 *	5	Bottom	12/09/2023	In-situ	ND	ND	ND	ND	ND	ND	ND
C-23 *	7	Bottom	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**7,300**
C-23	16	Bottom	07/18/2024	In-situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	502
C-24 *	2	Bottom	12/10/2023	Excavated	ND	ND	ND	ND	ND	ND	**3,000**
C-24	4.1	Bottom	04/18/2024	Excavated	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	**811**
C-24	7	Bottom	07/16/2024	In-situ	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	221
C-25 *	2	Bottom	12/10/2023	Excavated	ND	ND	ND	ND	ND	ND	**790**
C-25	4.1	Bottom	04/17/2024	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	550
C-26 *	2	Bottom	12/10/2023	Excavated	ND	ND	ND	ND	ND	ND	**1,400**
C-26	4.1	Bottom	04/18/2024	Excavated	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	**2,030**
C-26	7	Bottom	07/16/2024	In-situ	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	239
C-27 *	2	Bottom	12/10/2023	Excavated	ND	ND	ND	ND	ND	ND	**1,200**

Table 2
Confirmation Soil Sample Analytical Data Summary
Pony Riser
Lea County, New Mexico
32°34'55.39621"N, 103°38'27.37543"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					*10*	*50*				*100/2,500*	*600/20,000*
C-27	4.1	Bottom	04/17/2024	Excavated	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	**650**
C-27	7	Bottom	07/16/2024	In-situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	222
C-28 *	2	Bottom	12/10/2023	Excavated	ND	ND	ND	ND	ND	ND	**2,200**
C-28	4.1	Bottom	04/18/2024	Excavated	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	**1,580**
C-28	6	Bottom	07/08/2024	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	347
C-29 *	2	Bottom	12/10/2023	Excavated	ND	ND	ND	**16.0**	ND	**16.0**	**2,300**
C-29	4.1	Bottom	04/17/2024	Excavated	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	**839**
C-29	6	Bottom	07/08/2024	In-situ	<0.00200	<0.00400	<50.1	<50.1	<50.1	<50.1	20.9
C-30 *	2	Bottom	12/10/2023	Excavated	ND	ND	ND	**24.0**	ND	**24.0**	**2,000**
C-30	4.1	Bottom	04/18/2024	Excavated	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	**1,790**
C-30	7	Bottom	07/16/2024	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	376
C-31 *	2	Bottom	12/10/2023	Excavated	ND	ND	ND	**16.0**	ND	**16.0**	**2,500**
C-31	4.1	Bottom	04/17/2024	Excavated	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	**1,510**
C-31	7	Bottom	07/16/2024	In-situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	307
C-32 *	2	Bottom	12/10/2023	Excavated	ND	ND	ND	ND	ND	ND	**1,800**
C-32	4.1	Bottom	04/18/2024	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**1,150**
C-32	7	Bottom	07/16/2024	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	578
C-33 *	2	Bottom	12/10/2023	Excavated	ND	ND	ND	ND	ND	ND	**1,900**
C-33	4.1	Bottom	04/17/2024	Excavated	<0.00200	<0.00401	<49.6	<49.6	<49.6	<49.6	**997**
C-33	7	Bottom	07/16/2024	In-situ	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	441
C-34 *	3	Bottom	12/10/2023	Excavated	ND	ND	ND	ND	ND	ND	**7,000**
C-34	4.1	Bottom	04/18/2024	Excavated	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	**1,020**
C-34	5	Bottom	07/08/2024	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	269
C-35 *	6.5	Bottom	12/10/2023	Excavated	ND	ND	ND	**12.0**	ND	**12.0**	**1,200**
C-35	7	Bottom	07/15/2024	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	64.5
C-36 *	9	Bottom	12/11/2023	In-situ	ND	ND	ND	ND	ND	ND	**7,900**
C-36	8	Bottom	07/12/2024	Excavated	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	16.0

Table 2
Confirmation Soil Sample Analytical Data Summary
Pony Riser
Lea County, New Mexico
32°34'55.39621"N, 103°38'27.37543"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					*10*	*50*				*100/2,500*	*600/20,000*
C-37 *	7	Bottom	12/11/2023	In-situ	ND	ND	ND	ND	ND	ND	**15,000**
C-37	12	Bottom	07/08/2024	Excavated	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	74.2
C-38 *	7	Bottom	12/11/2023	In-situ	ND	ND	ND	ND	ND	ND	**8,300**
C-38	8	Bottom	07/12/2024	Excavated	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	48.0
C-39 *	7	Bottom	12/11/2023	In-situ	ND	ND	ND	ND	ND	ND	**9,900**
C-39	8	Bottom	07/12/2024	Excavated	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<4.96
C-40 *	7	Bottom	12/11/2023	In-situ	ND	ND	ND	ND	ND	ND	**4,900**
C-40	8	Bottom	07/12/2024	Excavated	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	89.7
C-41 *	7	Bottom	12/11/2023	In-situ	ND	ND	ND	ND	ND	ND	**3,000**
C-41	14	Bottom	07/18/2024	Excavated	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	322
C-42 *	2	Bottom	12/11/2023	In-situ	ND	ND	ND	ND	ND	ND	540
C-43 *	2	Bottom	12/11/2023	Excavated	ND	ND	ND	ND	ND	ND	**1,300**
C-43	4.1	Bottom	04/17/2024	Excavated	<0.00199	<0.00398	<49.5	<49.5	<49.5	<49.5	**1,820**
C-43	6	Bottom	07/12/2024	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	321
C-44 *	1	Bottom	12/11/2023	Excavated	ND	ND	ND	ND	ND	ND	**690**
C-44	4.1	Bottom	04/17/2024	Excavated	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	**6,480**
C-44	6	Bottom	07/12/2024	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	371
C-45 *	1	Bottom	12/11/2023	In-situ	ND	ND	ND	ND	ND	ND	520
C-46 *	2	Bottom	12/11/2023	Excavated	ND	ND	ND	**11.0**	ND	**11.0**	**3,200**
C-46	3	Bottom	03/27/2024	Excavated	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	**1,290**
C-46	4.1	Bottom	04/18/2024	Excavated	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	**4,330**
C-46	6	Bottom	07/08/2024	In-situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	**262**
C-47 *	2	Bottom	12/11/2023	Excavated	ND	ND	ND	ND	ND	ND	**3,300**
C-47	4.1	Bottom	04/17/2024	Excavated	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	**3,790**
C-47	47	Bottom	07/15/2024	In-situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<5.05
C-48 *	1	Bottom	12/11/2023	In-situ	ND	ND	ND	**11.0**	ND	**11.0**	**400**
C-49 *	1	Bottom	12/11/2023	In-situ	ND	ND	ND	ND	ND	ND	**590**

Table 2
Confirmation Soil Sample Analytical Data Summary
Pony Riser
Lea County, New Mexico
32°34'55.39621"N, 103°38'27.37543"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					*10*	*50*				*100/2,500*	*600/20,000*
C-50	5	Bottom	02/15/2024	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**389**
C-51	5	Bottom	02/15/2024	In-situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	**570**
C-52	2	Bottom	02/15/2024	Excavated	<0.00202	<0.00404	<50.3	<50.3	<50.3	<50.3	**2,580**
C-52	4.1	Bottom	04/16/2024	In-situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	**105**
C-53	2	Bottom	02/15/2024	Excavated	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	**2,110**
C-53	4.1	Bottom	04/16/2024	In-situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	**215**
C-54	2	Bottom	02/15/2024	Excavated	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	**3,900**
C-54	4.1	Bottom	04/16/2024	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**542**
C-55	2	Bottom	02/15/2024	Excavated	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	**2,760**
C-55	4.1	Bottom	04/16/2024	Excavated	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	**5,690**
C-55	6	Bottom	07/08/2024	In-situ	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	**139**
C-56	2	Bottom	02/15/2024	Excavated	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	**3,200**
C-56	4.1	Bottom	04/16/2024	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**3,450**
C-56	6	Bottom	07/08/2024	In-situ	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	**19.2**
C-57	2	Bottom	02/15/2024	Excavated	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	**3,600**
C-57	4.1	Bottom	04/16/2024	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**5,910**
C-57	6	Bottom	07/08/2024	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**191**
C-58	2	Bottom	02/15/2024	Excavated	<0.00198	<0.00396	<50.4	<50.4	<50.4	<50.4	**4,410**
C-58	4.1	Bottom	04/16/2024	Excavated	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	**4,520**
C-58	6	Bottom	07/08/2024	In-situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	**298**
C-59	2	Bottom	02/15/2024	Excavated	<0.00202	<0.00403	<49.9	**50.3**	<49.9	**50.3**	**6,170**
C-59	4.1	Bottom	04/17/2024	In-situ	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	**443**
C-60	2	Bottom	02/15/2024	In-situ	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	**2,670**
C-60	3	Bottom	03/27/2024	Excavated	<0.00202	<0.00403	<49.6	<49.6	<49.6	<49.6	**145**
C-61	3	Bottom	02/15/2024	Excavated	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	**2,770**
C-61	4.1	Bottom	04/18/2024	Excavated	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	**800**
C-61	5	Bottom	07/08/2024	In-situ	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	**311**

Table 2
Confirmation Soil Sample Analytical Data Summary
Pony Riser
Lea County, New Mexico
32°34'55.39621"N, 103°38'27.37543"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					*10*	*50*				*100/2,500*	*600/20,000*
C-62	3	Bottom	02/15/2024	Excavated	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	**6,360**
C-62	4.1	Bottom	04/18/2024	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**902**
C-62	5	Bottom	07/08/2024	In-situ	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	**225**
C-63	3	Bottom	02/15/2024	Excavated	<0.00198	<0.00396	<50.4	<50.4	<50.4	<50.4	**3,460**
C-63	4.1	Bottom	04/18/2024	In-situ	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	**284**
C-64	3	Bottom	02/15/2024	Excavated	<0.00200	<0.00400	<50.3	<50.3	<50.3	<50.3	**3,830**
C-64	4.1	Bottom	04/18/2024	Excavated	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	**1,330**
C-64	5	Bottom	07/08/2024	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	**232**
C-65	2	Bottom	02/15/2024	In-situ	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	**74.0**
C-66	2	Bottom	02/15/2024	Excavated	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4	**2,460**
C-66	3	Bottom	03/27/2024	In-situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	**205**
C-67	2	Bottom	02/15/2024	Excavated	<0.00202	<0.00404	<50.5	<50.5	<50.5	<50.5	**4,300**
C-67	3	Bottom	03/27/2024	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	**216**
C-68	2	Bottom	02/15/2024	Excavated	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	**3,020**
C-68	3	Bottom	03/27/2024	In-situ	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	**141**
C-69	2	Bottom	02/15/2024	Excavated	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	**1,630**
C-69	4.1	Bottom	04/19/2024	In-situ	<0.00200	<0.00400	<49.6	<49.6	<49.6	<49.6	**218**
C-70	2	Bottom	02/15/2024	Excavated	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	**1,700**
C-70	4.1	Bottom	04/19/2024	Excavated	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	**3,680**
C-70	6	Bottom	07/15/2024	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	**36.5**
C-71	2	Bottom	02/15/2024	Excavated	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5	**1,060**
C-71	4.1	Bottom	04/19/2024	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**662**
C-71	6	Bottom	07/15/2024	In-situ	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	**29.5**
C-72	2	Bottom	02/15/2024	Excavated	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	**1,720**
C-72	4.1	Bottom	04/19/2024	Excavated	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	**1,070**
C-72	6	Bottom	07/15/2024	In-situ	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	**85.2**
C-73	2	Bottom	02/15/2024	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**358**

Table 2
Confirmation Soil Sample Analytical Data Summary
Pony Riser
Lea County, New Mexico
32°34'55.39621"N, 103°38'27.37543"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					*10*	*50*				*100/2,500*	*600/20,000*
C-74	0 - 2	Sidewall	02/15/2024	Excavated	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	**2,020**
C-74	0 - 4.1	Sidewall	03/27/2024	In-situ	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	**156**
C-75	0 - 3	Sidewall	02/15/2024	In-situ	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	**94.8**
C-76	0 - 2	Sidewall	02/15/2024	Excavated	<0.00202	<0.00403	<50.1	<50.1	<50.1	<50.1	**913**
C-76	0 - 3	Sidewall	03/27/2024	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**138**
C-77	0 - 2	Sidewall	02/15/2024	In-situ	<0.00198	<0.00397	<50.4	<50.4	<50.4	<50.4	**174**
C-78	0 - 2	Sidewall	02/15/2024	Excavated	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	**440**
C-79	3	Bottom	03/27/2024	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**207**
C-80	3	Bottom	03/27/2024	In-situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	**73.1**
C-81	3	Bottom	03/27/2024	In-situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	**174**
C-82	4.1	Bottom	04/19/2024	In-situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	**767**
C-82	5	Bottom	07/08/2024	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	**31.2**
C-83	4.1	Bottom	04/19/2024	In-situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	**331**
C-84	4.1	Bottom	04/19/2024	In-situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	**631**
C-84	5	Bottom	07/08/2024	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**10.1**
SW-05 *	0 - 3	Sidewall	11/21/2023	In-situ	ND	ND	ND	ND	ND	ND	**540**
SW-06 *	0 - 3	Sidewall	11/21/2023	In-situ	ND	ND	ND	ND	ND	ND	ND
SW-08 *	0 - 9	Sidewall	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**9,900**
SW-08	4.1 - 7	Sidewall	04/15/2024	In-situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	**30,100**
SW-08	4.1 - 7	Sidewall	05/01/2024	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**1,960**
SW-08	4.1-7	Sidewall	05/01/2024	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**1,960**
SW-08	5-10	Sidewall	07/08/2024	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	**275**
SW-09 *	0 - 9	Sidewall	12/09/2023	In-situ	ND	ND	ND	ND	ND	ND	**81.0**
SW-10 *	0 - 9	Sidewall	12/09/2023	In-situ	ND	ND	ND	ND	ND	ND	**6,400**
SW-10	7 - 9	Sidewall	04/18/2024	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	**1,540**
SW-10	10-14	Sidewall	07/08/2024	In-situ	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	**186**
SW-11 *	0 - 9	Sidewall	12/09/2023	In-situ	ND	ND	ND	ND	ND	ND	ND

Table 2
Confirmation Soil Sample Analytical Data Summary
Pony Riser
Lea County, New Mexico
32°34'55.39621"N, 103°38'27.37543"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					*10*	*50*				*100/2,500*	*600/20,000*
SW-13 *	0 - 7	Sidewall	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**18,000**
SW-13	4.1 - 7	Sidewall	04/15/2024	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**6,980**
SW-13	0 - 4.1	Sidewall	04/18/2024	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**90.0**
SW-14 *	0 - 7	Sidewall	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**11,000**
SW-14	4.1 - 7	Sidewall	04/15/2024	In-situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	**140**
SW-14	0 - 4.1	Sidewall	04/17/2024	In-situ	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	**57.4**
SW-15 *	0 - 5	Sidewall	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**5,000**
SW-15	4.1 - 6	Sidewall	04/15/2024	In-situ	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	**11,600**
SW-15	0 - 4.1	Sidewall	04/17/2024	In-situ	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	**28.4**
SW-15	4.1-6	Sidewall	07/15/2024	In-situ	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	**27.1**
SW-16 *	0 - 7	Sidewall	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**660**
SW-16	4.1 - 7	Sidewall	04/15/2024	In-situ	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	**4,330**
SW-16	0 - 4.1	Sidewall	04/16/2024	In-situ	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	**20.9**
SW-16	4.1-7	Sidewall	07/15/2024	In-situ	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	**64.4**
SW-17 *	0 - 7	Sidewall	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**10,000**
SW-17	4.1 - 7	Sidewall	04/15/2024	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**78.7**
SW-18 *	0 - 7	Sidewall	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**16,000**
SW-18	4.1 - 7	Sidewall	04/15/2024	In-situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	**3,400**
SW-18	6-8	Sidewall	07/08/2024	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	**307**
SW-18	5-10	Sidewall	07/08/2024	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	**275**
SW-19 *	0 - 7	Sidewall	12/09/2023	Excavated	ND	ND	ND	ND	ND	ND	**23,000**
SW-19	4.1 - 7	Sidewall	04/15/2024	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**1,470**
SW-19	5-10	Sidewall	07/08/2024	In-situ	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	**374**
SW-20 *	0 - 2	Sidewall	12/10/2023	In-situ	ND	ND	ND	ND	ND	ND	**3,000**
SW-20	2 - 4.1	Sidewall	04/19/2024	In-situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	**19.5**
SW-22 *	0 - 2	Sidewall	12/10/2023	In-situ	ND	ND	ND	ND	ND	ND	**1,700**
SW-22	3 - 4.1	Sidewall	04/19/2024	In-situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	**6.7**

Table 2
Confirmation Soil Sample Analytical Data Summary
Pony Riser
Lea County, New Mexico
32°34'55.39621"N, 103°38'27.37543"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					***10***	***50***				***100/2,500***	***600/20,000***
SW-23[1] *	0 - 2	Sidewall	12/10/2023	In-situ	ND	ND	ND	**11.0**	ND	**11.0**	**4,600**
SW-24[2] *	0 - 6.5	Sidewall	12/10/2023	In-situ	ND	ND	ND	ND	ND	ND	**12,000**
SW-25[3] *	0 - 6.5	Sidewall	12/10/2023	In-situ	ND	ND	ND	ND	ND	ND	**8,500**
SW-26[4] *	0 - 3	Sidewall	12/10/2023	In-situ	ND	ND	ND	ND	ND	ND	**3,500**
SW-27[5] *	0 - 3	Sidewall	12/10/2023	In-situ	ND	ND	ND	ND	ND	ND	**1,900**

Notes:

Analysis performed by Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico, or Eurofins-Xenco (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).

BTEX: benzene, toluene, ethylbenzene, xylene

TPH: total petroleum hydrocarbons

GRO: gasoline range organics (C1-C10)

DRO: diesel range organics (>C10-C28)

ORO: oil range organics (>C28-C36)

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

**: indicates that the sample collected by Vertex and analyzed by Hall.*

[1] : sample is equivalent to C-74

[2] : sample is equivalent to C-77

[3] : sample is equivalent to C-78

[4] : sample is equivalent to C-76

[5] : sample is equivalent to C-75

Depth reported in feet below ground surface (bgs).

Bold and highlighted indicates parameter concentration is above NMOCD closure criteria.

Table 3
Backfill Soil Sample Analytical Summary
Margarita Pony Riser
Lea County, New Mexico
32°34'55.39621"N, 103°38'27.37543"W

Sample ID	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	ORO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:			***10***	***50***				***100***	***600***
BF-1	7/19/2024	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<5.02
BF-2	7/19/2024	In-situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<4.99
BF-3	7/19/2024	In-situ	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<5.02
BF-4	7/19/2024	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<5.04
BF-5	7/19/2024	In-situ	<0.00200	<0.00400	<50.4	<50.4	<50.4	<50.4	<4.98
BF-6	7/19/2024	In-situ	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<5.02
BF-7	7/19/2024	In-situ	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<5.03
BF-8	7/19/2024	In-situ	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<5.03
BF-9	7/19/2024	In-situ	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<5.05
BF-10	7/19/2024	In-situ	<0.00200	<0.00400	<50.5	<50.5	<50.5	<50.5	7.17

Notes:

Analysis performed Eurofins Laboratories (Eurofins), in Midland, Texas, by EPA SW-846 Methods 8021B (BTEX) and 8015M (TPH), and EPA Method 300 (chloride).

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

BTEX: benzene, toluene, ethylbenzene, xylene

TPH: total petroleum hydrocarbons

GRO: gasoline range organics (C1-C10)

DRO: diesel range organics (>C10-C28)

ORO: oil range organics (>C28-C36)

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

Depth reported in feet below ground surface (bgs).

Bold and highlighted indicates parameter concentration is above NMOCD closure criteria.

Figures

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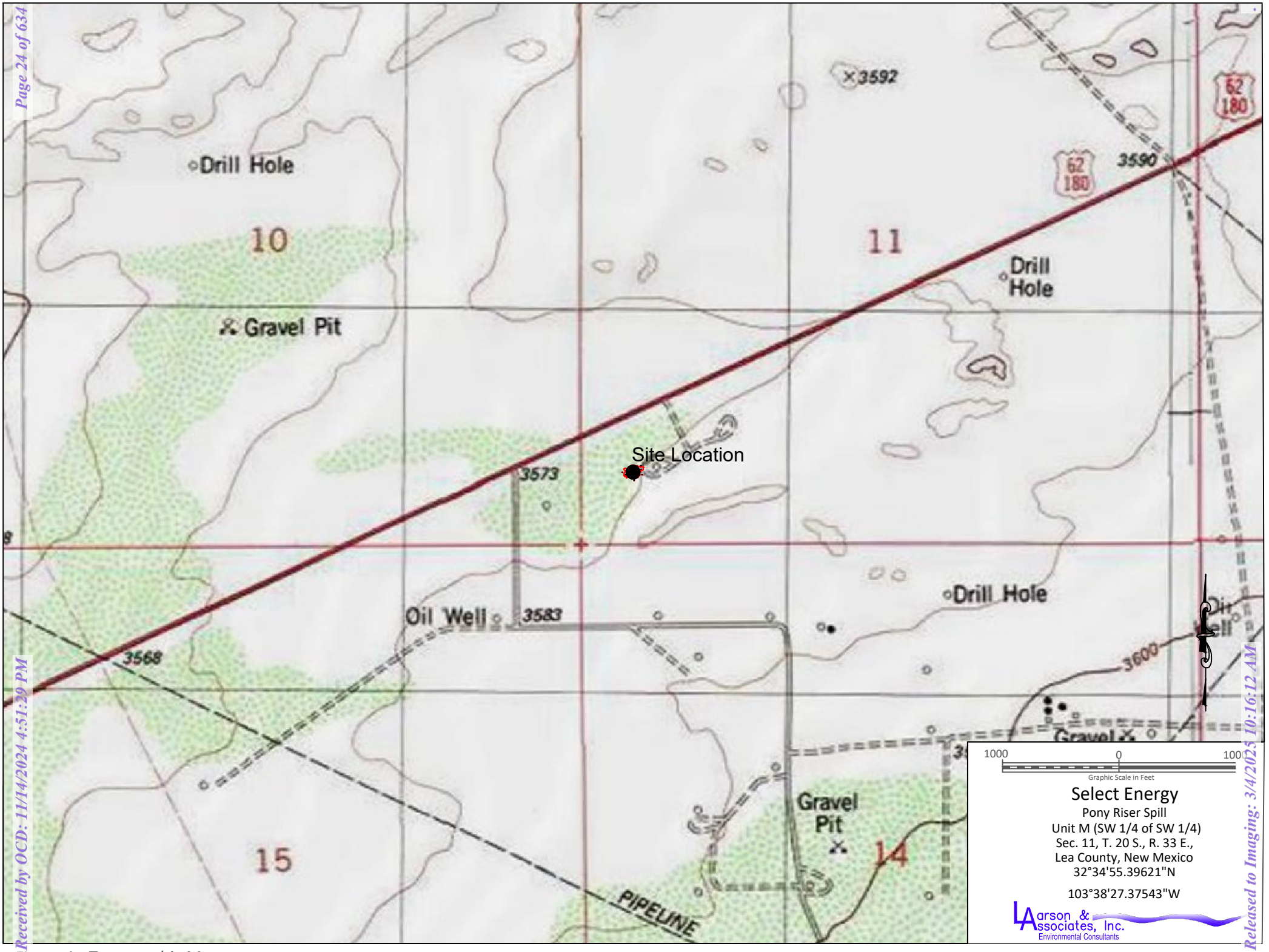


Figure 1 - Topographic Map

Received by OCD: 11/14/2024 4:51:29 PM

Released to Imaging: 3/4/2025 10:16:12 AM

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Figure 2 - Aerial Map

Received by OCD: 11/14/2024 4:51:29 PM

Released to Imaging: 3/4/2025 10:16:12 AM

Appendix A

Initial C-141

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	nAPP2315236756
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party SELECT ENERGY SERVICES, LLC	OGRID 289068
Contact Name TIMSAN BRICKER	Contact Telephone 575-200-7551
Contact email tbricker@selectenergy.com	Incident # *(assigned by OCD)* nAPP2315236756
Contact mailing address 1502 E GREENE ST CARLSBAD NM 88220	

Location of Release Source

Latitude 32.582094 Longitude -103.64105
(NAD 83 in decimal degrees to 5 decimal places)

Site Name MARGARITA PONY RISER	Site Type PRODUCED WATER
Date Release Discovered 06/01/2023	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
D	11	20E	33S	LEA

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 300	Volume Recovered (bbls) 140
	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
LAYFLAT WAS RAN OVER BY VEHICLE AND SPLIT, SPILLING INTO R-O-W NEAR LOCATION.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2315236756
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2315236756
District RP	
Facility ID	
Application ID	

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

Printed Name: Timsan Bricker Title: Environmental Coordinator

Signature: Date: 9/1/2023

email: TBricker@selectwater.com Telephone: 575-200-7551

OCD Only

Received by: Shelly Wells Date: 9/14/2023

Appendix B

Karst Potential Map


Poly Riser Spill
Low

Appendix C

Well Record and Log

WELL RECORD & LOG select

OFFICE OF THE STATE ENGINEER Margerita Pony Rose

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
CP-1980 POD1		CP 01980

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Select Water Solutions, LLC	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
1502 E. Greene St.	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	34	56.18	N
	LONGITUDE	103	38	25.32	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND

* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Unit D, Section 11, Township 20 East, Range 33 South

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1833	Jason Maley	Vision Resources

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
12-11-23	12-11-23	55'	55'	36'

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 36'

DATE STATIC MEASURED: 12-15-23

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	45'	6"	2" PVC SCH 40	Thread	2"	SCH40	N/A
45'	55'	6"	2" PVC Sch40	Thread	2"	SCH40	.02

OSE OIL JAN 12 2024 PM

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			None pulled and plugged		

FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. CP-01980	POD NO. 1	TRN NO. 751577	
LOCATION 20S.33E.11.2.33		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	15'	15'	White caliche	Y N	
15'	20'	5'	Tan fine sand	Y N	
20'	25'	5'	White caliche	Y N	
25'	35'	10'	Tan fine sand	Y N	
35'	55'	20'	Red Clay	✓ Y N	0.00
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☑ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): Trace

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

OSE OIL JAN 12 2024 PM 1:51

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jason Mallory — 1/10/24

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. CP-01580	POD NO. 1	TRN NO. 751577	
LOCATION 20S.33E.11.233		WELL TAG ID NO.	PAGE 2 OF 2

Appendix D

NMOCD Communications

[C-141] Release Corrective Action (C-141) Application

Submission Information

Submission ID:	264731	**Districts:**	Hobbs
Operator:	[289068] SELECT ENERGY SERVICES, LLC	**Counties:**	Lea
Description:	SELECT ENERGY SERVICES, LLC [289068] , nAPP2315236756		
Status:	APPROVED		
Status Date:	01/12/2024		
References (2):	fAPP2322719486, nAPP2315236756		

Forms

Attachments: C-141, Proposed Technique, Scaled Site Map, Estimated Volume, Closure Criteria

Questions

This submission type does not have questions, at this time.

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *nvelez (1/12/2024),* Remediation plan is approved as written. Remediation Due date updated to April 11, 2024.

Reasons

No reasons found for this submission.

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	291349	**Districts:**	Hobbs
Operator:	[289068] SELECT WATER SOLUTIONS, LLC	**Counties:**	Lea
Description:	SELECT ENERGY SERVICES, LLC [289068] , MARGARITA PONY RISER , nAPP2315236756		
Status:	APPROVED		
Status Date:	12/05/2023		
References (2):	fAPP2322719486, nAPP2315236756		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2315236756**
Incident Name	**NAPP2315236756 MARGARITA PONY RISER @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**

Location of Release Source

Site Name	**MARGARITA PONY RISER**
Date Release Discovered	**06/01/2023**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	21,028
What is the estimated number of samples that will be gathered	105
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/07/2023
Time sampling will commence	01:45 PM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Vertex Resources 575-988-1472
Please provide any information necessary for navigation to sampling site	32°34'55.54"N 103°38'27.78"W

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *timsanbricker (12/5/2023),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.1

Reasons

No reasons found for this submission.

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	292232	**Districts:**	Hobbs
Operator:	[289068] SELECT WATER SOLUTIONS, LLC	**Counties:**	Lea
Description:	SELECT ENERGY SERVICES, LLC [289068] , MARGARITA PONY RISER , nAPP2315236756		
Status:	APPROVED		
Status Date:	12/07/2023		
References (2):	fAPP2322719486, nAPP2315236756		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2315236756**
Incident Name	**NAPP2315236756 MARGARITA PONY RISER @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**

Location of Release Source

Site Name	**MARGARITA PONY RISER**
Date Release Discovered	**06/01/2023**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	21,000
What is the estimated number of samples that will be gathered	105
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/09/2023
Time sampling will commence	10:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Chance Dixon B.Sc. Project Manager Vertex Resource Services Inc. C 575.988.1472
Please provide any information necessary for navigation to sampling site	Chance Dixon B.Sc. Project Manager Vertex Resource Services Inc. C 575.988.1472

Acknowledgments

This submission type does not have acknowledgments, at this time.

Released to Imaging: 3/4/2025 10:16:12 AM

Comments

No comments found for this submission.

Conditions

Summary: *hbutler (12/7/2023),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.

Reasons

No reasons found for this submission.

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	313796	**Districts:**	Hobbs
Operator:	[289068] SELECT WATER SOLUTIONS, LLC	**Counties:**	Lea
Description:	SELECT ENERGY SERVICES, LLC [289068] , MARGARITA PONY RISER , nAPP2315236756		
Status:	APPROVED		
Status Date:	02/13/2024		
References (2):	fAPP2322719486, nAPP2315236756		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2315236756**
Incident Name	**NAPP2315236756 MARGARITA PONY RISER @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2322719486] Margarita Facility Tank Battery**

Location of Release Source

Site Name	**MARGARITA PONY RISER**
Date Release Discovered	**06/01/2023**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	70,000
What is the estimated number of samples that will be gathered	350
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/15/2024
Time sampling will commence	09:33 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Dan St Germain +1 (432) 664-5357
Please provide any information necessary for navigation to sampling site	Right off US 62/180

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *timsanbricker (2/13/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.1

Reasons

No reasons found for this submission.

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	325977	**Districts:**	Hobbs
Operator:	[289068] SELECT WATER SOLUTIONS, LLC	**Counties:**	Lea
Description:	SELECT ENERGY SERVICES, LLC [289068] , MARGARITA PONY RISER , nAPP2315236756		
Status:	APPROVED		
Status Date:	03/22/2024		
References (2):	fAPP2322719486, nAPP2315236756		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2315236756**
Incident Name	**NAPP2315236756 MARGARITA PONY RISER @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2322719486] Margarita Facility Tank Battery**

Location of Release Source

Site Name	**MARGARITA PONY RISER**
Date Release Discovered	**06/01/2023**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	2,200
What is the estimated number of samples that will be gathered	11
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/27/2024
Time sampling will commence	08:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Dan St Germain +1 (432) 664-5357
Please provide any information necessary for navigation to sampling site	Right off 62/180. Sampling will commence through 3/28/2024

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *timsanbricker (3/22/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.1

Reasons

No reasons found for this submission.

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	332454	**Districts:**	Hobbs
Operator:	[289068] SELECT WATER SOLUTIONS, LLC	**Counties:**	Lea
Description:	SELECT ENERGY SERVICES, LLC [289068] , MARGARITA PONY RISER , nAPP2315236756		
Status:	APPROVED		
Status Date:	04/11/2024		
References (2):	fAPP2322719486, nAPP2315236756		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2315236756**
Incident Name	**NAPP2315236756 MARGARITA PONY RISER @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2322719486] Margarita Facility Tank Battery**

Location of Release Source

Site Name	**MARGARITA PONY RISER**
Date Release Discovered	**06/01/2023**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	10,000
What is the estimated number of samples that will be gathered	50
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/15/2024
Time sampling will commence	11:02 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Dan St Germain +1 (432) 664-5357
Please provide any information necessary for navigation to sampling site	Sampling event to continue through Friday 4/19/24

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *timsanbricker (4/11/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.1

Reasons

No reasons found for this submission.

Go Back

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	338484	**Districts:**	Hobbs
Operator:	[289068] SELECT WATER SOLUTIONS, LLC	**Counties:**	Lea
Description:	SELECT ENERGY SERVICES, LLC [289068] , MARGARITA PONY RISER , nAPP2315236756		
Status:	APPROVED		
Status Date:	04/29/2024		
References (2):	fAPP2322719486, nAPP2315236756		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2315236756**
Incident Name	**NAPP2315236756 MARGARITA PONY RISER @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2322719486] Margarita Facility Tank Battery**

Location of Release Source

Site Name	**MARGARITA PONY RISER**
Date Release Discovered	**06/01/2023**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/01/2024
Time sampling will commence	11:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Dan St Germain +1 (432) 664-5357
Please provide any information necessary for navigation to sampling site	(32.5824345, -103.6403595)

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *timsanbricker (4/29/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.1

Reasons

No reasons found for this submission.

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	360647	**Districts:**	Hobbs
Operator:	[289068] SELECT WATER SOLUTIONS, LLC	**Counties:**	Lea
Description:	SELECT WATER SOLUTIONS, LLC [289068] , MARGARITA PONY RISER , nAPP2315236756		
Status:	APPROVED		
Status Date:	07/02/2024		
References (2):	fAPP2322719486, nAPP2315236756		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2315236756**
Incident Name	**NAPP2315236756 MARGARITA PONY RISER @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2322719486] Margarita Facility Tank Battery**

Location of Release Source

Site Name	**MARGARITA PONY RISER**
Date Release Discovered	**06/01/2023**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	8,341
What is the estimated number of samples that will be gathered	42
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/08/2024
Time sampling will commence	08:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Dan St Germain 432-664-5357
Please provide any information necessary for navigation to sampling site	32°34'55.396"N, 103°38'27.375"W

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *timsanbricker (7/2/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.1

Reasons

No reasons found for this submission.

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	362721	**Districts:**	Hobbs
Operator:	[289068] SELECT WATER SOLUTIONS, LLC	**Counties:**	Lea
Description:	SELECT WATER SOLUTIONS, LLC [289068] , MARGARITA PONY RISER , nAPP2315236756		
Status:	APPROVED		
Status Date:	07/10/2024		
References (2):	fAPP2322719486, nAPP2315236756		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2315236756**
Incident Name	**NAPP2315236756 MARGARITA PONY RISER @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2322719486] Margarita Facility Tank Battery**

Location of Release Source

Site Name	**MARGARITA PONY RISER**
Date Release Discovered	**06/01/2023**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	8,600
What is the estimated number of samples that will be gathered	43
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/12/2024
Time sampling will commence	10:40 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Dan St Germain +1 (432) 664-5357
Please provide any information necessary for navigation to sampling site	Continuation of previous sampling event to continue through 7/19

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *timsanbricker (7/10/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.1

Reasons

No reasons found for this submission.

Appendix E

Laboratory Reports

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 08, 2023

Chance Dixon

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Margarita Pony Riser OrderNo.: 2312010

Dear Chance Dixon:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 12/1/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2312010**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-06 0-3'
Project: Margarita Pony Riser **Collection Date:** 11/21/2023 9:20:00 AM
Lab ID: 2312010-001 **Matrix:** SOIL **Received Date:** 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/4/2023 12:24:18 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/4/2023 12:24:18 PM
Surr: DNOP	103	69-147		%Rec	1	12/4/2023 12:24:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/4/2023 12:50:39 PM
Surr: BFB	92.4	15-244		%Rec	1	12/4/2023 12:50:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/4/2023 12:50:39 PM
Toluene	ND	0.050		mg/Kg	1	12/4/2023 12:50:39 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/4/2023 12:50:39 PM
Xylenes, Total	ND	0.10		mg/Kg	1	12/4/2023 12:50:39 PM
Surr: 4-Bromofluorobenzene	96.6	39.1-146		%Rec	1	12/4/2023 12:50:39 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	12/5/2023 10:39:03 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312010**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-05 0-3'
Project: Margarita Pony Riser **Collection Date:** 11/21/2023 9:35:00 AM
Lab ID: 2312010-002 **Matrix:** SOIL **Received Date:** 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/4/2023 12:34:48 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/4/2023 12:34:48 PM
Surr: DNOP	92.8	69-147		%Rec	1	12/4/2023 12:34:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/4/2023 1:14:08 PM
Surr: BFB	91.5	15-244		%Rec	1	12/4/2023 1:14:08 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/4/2023 1:14:08 PM
Toluene	ND	0.049		mg/Kg	1	12/4/2023 1:14:08 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/4/2023 1:14:08 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/4/2023 1:14:08 PM
Surr: 4-Bromofluorobenzene	94.8	39.1-146		%Rec	1	12/4/2023 1:14:08 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	540	60		mg/Kg	20	12/5/2023 11:24:31 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312010**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-02 9'
Project: Margarita Pony Riser **Collection Date:** 11/29/2023 1:20:00 PM
Lab ID: 2312010-003 **Matrix:** SOIL **Received Date:** 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/4/2023 12:45:19 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/4/2023 12:45:19 PM
Surr: DNOP	89.6	69-147		%Rec	1	12/4/2023 12:45:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/4/2023 1:37:32 PM
Surr: BFB	91.7	15-244		%Rec	1	12/4/2023 1:37:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/4/2023 1:37:32 PM
Toluene	ND	0.049		mg/Kg	1	12/4/2023 1:37:32 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/4/2023 1:37:32 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/4/2023 1:37:32 PM
Surr: 4-Bromofluorobenzene	95.5	39.1-146		%Rec	1	12/4/2023 1:37:32 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	4500	150		mg/Kg	50	12/6/2023 4:45:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312010**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-09 5'
Project: Margarita Pony Riser **Collection Date:** 11/29/2023 2:20:00 PM
Lab ID: 2312010-004 **Matrix:** SOIL **Received Date:** 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/4/2023 12:55:50 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/4/2023 12:55:50 PM
Surr: DNOP	102	69-147		%Rec	1	12/4/2023 12:55:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/4/2023 2:01:00 PM
Surr: BFB	93.6	15-244		%Rec	1	12/4/2023 2:01:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/4/2023 2:01:00 PM
Toluene	ND	0.048		mg/Kg	1	12/4/2023 2:01:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/4/2023 2:01:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/4/2023 2:01:00 PM
Surr: 4-Bromofluorobenzene	97.9	39.1-146		%Rec	1	12/4/2023 2:01:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	910	60		mg/Kg	20	12/5/2023 12:55:28 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312010**

08-Dec-23

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **MB-79127** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBS** Batch ID: **79127** RunNo: **101605**

Prep Date: **12/4/2023** Analysis Date: **12/5/2023** SeqNo: **3743288** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79127** SampType: **LCS** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSS** Batch ID: **79127** RunNo: **101605**

Prep Date: **12/4/2023** Analysis Date: **12/5/2023** SeqNo: **3743289** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312010**

08-Dec-23

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **LCS-79105** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **79105** RunNo: **101577**

Prep Date: **12/1/2023** Analysis Date: **12/4/2023** SeqNo: **3740456** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	103	61.9	130			
Surr: DNOP	5.5		5.000		110	69	147			

Sample ID: **LCS-79133** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **79133** RunNo: **101577**

Prep Date: **12/4/2023** Analysis Date: **12/4/2023** SeqNo: **3740457** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		79.5	69	147			

Sample ID: **MB-79105** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **79105** RunNo: **101577**

Prep Date: **12/1/2023** Analysis Date: **12/4/2023** SeqNo: **3740458** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		99.8	69	147			

Sample ID: **MB-79133** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **79133** RunNo: **101577**

Prep Date: **12/4/2023** Analysis Date: **12/4/2023** SeqNo: **3740459** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.2		10.00		82.3	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312010**

08-Dec-23

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **lcs-79101** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **LCSS** Batch ID: **79101** RunNo: **101567**

Prep Date: **12/1/2023** Analysis Date: **12/4/2023** SeqNo: **3740056** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.1	70	130			
Surr: BFB	1900		1000		192	15	244			

Sample ID: **mb-79101** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **PBS** Batch ID: **79101** RunNo: **101567**

Prep Date: **12/1/2023** Analysis Date: **12/4/2023** SeqNo: **3740057** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.0	15	244			

Sample ID: **2312010-001ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **WES23-06 0-3'** Batch ID: **79101** RunNo: **101567**

Prep Date: **12/1/2023** Analysis Date: **12/4/2023** SeqNo: **3740491** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	24.95	0	90.4	70	130			
Surr: BFB	2000		998.0		199	15	244			

Sample ID: **2312010-001amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **WES23-06 0-3'** Batch ID: **79101** RunNo: **101567**

Prep Date: **12/1/2023** Analysis Date: **12/4/2023** SeqNo: **3740492** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	24.90	0	89.0	70	130	1.85	20	
Surr: BFB	2000		996.0		197	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312010**

08-Dec-23

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **LCS-79101** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **79101** RunNo: **101567**

Prep Date: **12/1/2023** Analysis Date: **12/4/2023** SeqNo: **3740090** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.5	70	130			
Toluene	0.92	0.050	1.000	0	92.1	70	130			
Ethylbenzene	0.93	0.050	1.000	0	92.6	70	130			
Xylenes, Total	2.8	0.10	3.000	0	92.8	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.3	39.1	146			

Sample ID: **mb-79101** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **79101** RunNo: **101567**

Prep Date: **12/1/2023** Analysis Date: **12/4/2023** SeqNo: **3740092** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.1	39.1	146			

Sample ID: **2312010-002ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **WES23-05 0-3'** Batch ID: **79101** RunNo: **101567**

Prep Date: **12/1/2023** Analysis Date: **12/4/2023** SeqNo: **3740477** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.024	0.9681	0	98.6	70	130			
Toluene	0.97	0.048	0.9681	0	100	70	130			
Ethylbenzene	0.98	0.048	0.9681	0	101	70	130			
Xylenes, Total	2.9	0.097	2.904	0	101	70	130			
Surr: 4-Bromofluorobenzene	0.95		0.9681		97.8	39.1	146			

Sample ID: **2312010-002amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **WES23-05 0-3'** Batch ID: **79101** RunNo: **101567**

Prep Date: **12/1/2023** Analysis Date: **12/4/2023** SeqNo: **3740478** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9766	0	93.5	70	130	4.47	20	
Toluene	0.93	0.049	0.9766	0	95.0	70	130	4.53	20	
Ethylbenzene	0.94	0.049	0.9766	0	96.2	70	130	3.94	20	
Xylenes, Total	2.8	0.098	2.930	0	96.7	70	130	3.04	20	
Surr: 4-Bromofluorobenzene	0.96		0.9766		97.8	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Work Order Number: 2312010 RcptNo: 1

Received By: Juan Rojas 12/1/2023 7:45:00 AM

Completed By: Desiree Dominguez 12/1/2023 8:46:24 AM

Reviewed By: 12-1-23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JM 12/1/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.6	Good	Not Present	Yogi		

Received by OCD: 11/14/2024 4:51:29 PM

Released to Imaging: 3/4/2025 10:16:12 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address: On File

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: 2-Day
☐ Standard ☑ Rush

Project Name: Margarita Pony Riser

Project #: ~~2022~~ 23E-04266

Project Manager: Chance Dixon

Sampler: CD

On Ice: ~~☑~~ Yes ☐ No

# of Coolers: Yogi

Cooler Temp(including CF): 0.5+0.1=0.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 231010	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/21	9:20	Soil	WES23-06 0-3'	4oz	ICE	-001	✓	✓					✓			
11/21	9:35		WES23-05 0-3'			-002										
11/29	13:20		BES23-02 9'			-003										
11/29	14:20		BES23-09 5'			-004										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/30	745				11/30/23	745
11/30/23	1900			Courier	12/1/23	7:45

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 04, 2024

Chance Dixon

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Margarita Pony Riser OrderNo.: 2312738

Dear Chance Dixon:

Eurofins Environment Testing South Central, LLC received 57 sample(s) on 12/13/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,



Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WES23-08 9.0'
Project: Margarita Pony Riser
Collection Date: 12/9/2023 10:00:00 AM
Lab ID: 2312738-001 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/16/2023 11:31:29 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/16/2023 11:31:29 PM
Surr: DNOP	88.9	69-147		%Rec	1	12/16/2023 11:31:29 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/18/2023 7:13:00 PM
Surr: BFB	98.2	15-244		%Rec	1	12/18/2023 7:13:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/18/2023 7:13:00 PM
Toluene	ND	0.048		mg/Kg	1	12/18/2023 7:13:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/18/2023 7:13:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/18/2023 7:13:00 PM
Surr: 4-Bromofluorobenzene	98.1	39.1-146		%Rec	1	12/18/2023 7:13:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	9900	600		mg/Kg	200	12/20/2023 10:55:34 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-09 9.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 10:05:00 AM
Lab ID: 2312738-002 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/16/2023 11:41:58 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/16/2023 11:41:58 PM
Surr: DNOP	94.8	69-147		%Rec	1	12/16/2023 11:41:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/18/2023 7:35:00 PM
Surr: BFB	96.8	15-244		%Rec	1	12/18/2023 7:35:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/18/2023 7:35:00 PM
Toluene	ND	0.048		mg/Kg	1	12/18/2023 7:35:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/18/2023 7:35:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/18/2023 7:35:00 PM
Surr: 4-Bromofluorobenzene	95.7	39.1-146		%Rec	1	12/18/2023 7:35:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	81	60		mg/Kg	20	12/19/2023 1:12:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-11 9.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 10:15:00 AM
Lab ID: 2312738-003 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/16/2023 11:52:27 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/16/2023 11:52:27 PM
Surr: DNOP	107	69-147		%Rec	1	12/16/2023 11:52:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/18/2023 7:58:00 PM
Surr: BFB	98.6	15-244		%Rec	1	12/18/2023 7:58:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/18/2023 7:58:00 PM
Toluene	ND	0.048		mg/Kg	1	12/18/2023 7:58:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/18/2023 7:58:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/18/2023 7:58:00 PM
Surr: 4-Bromofluorobenzene	97.5	39.1-146		%Rec	1	12/18/2023 7:58:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	12/19/2023 1:50:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-13 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 10:25:00 AM
Lab ID: 2312738-004 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	12/17/2023 12:02:57 AM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	12/17/2023 12:02:57 AM
Surr: DNOP	113	69-147		%Rec	1	12/17/2023 12:02:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/18/2023 8:19:00 PM
Surr: BFB	97.1	15-244		%Rec	1	12/18/2023 8:19:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/18/2023 8:19:00 PM
Toluene	ND	0.048		mg/Kg	1	12/18/2023 8:19:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/18/2023 8:19:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/18/2023 8:19:00 PM
Surr: 4-Bromofluorobenzene	96.2	39.1-146		%Rec	1	12/18/2023 8:19:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	18000	600		mg/Kg	200	12/20/2023 11:32:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WES23-14 7.0'
Project: Margarita Pony Riser
Collection Date: 12/9/2023 10:30:00 AM
Lab ID: 2312738-005 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	12/17/2023 12:13:23 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/17/2023 12:13:23 AM
Surr: DNOP	92.4	69-147		%Rec	1	12/17/2023 12:13:23 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/18/2023 8:42:00 PM
Surr: BFB	97.9	15-244		%Rec	1	12/18/2023 8:42:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/18/2023 8:42:00 PM
Toluene	ND	0.048		mg/Kg	1	12/18/2023 8:42:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/18/2023 8:42:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/18/2023 8:42:00 PM
Surr: 4-Bromofluorobenzene	98.0	39.1-146		%Rec	1	12/18/2023 8:42:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	11000	590		mg/Kg	200	12/20/2023 11:45:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-15 5.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 10:35:00 AM
Lab ID: 2312738-006 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	12/17/2023 12:23:50 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/17/2023 12:23:50 AM
Surr: DNOP	94.7	69-147		%Rec	1	12/17/2023 12:23:50 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/18/2023 9:04:00 PM
Surr: BFB	98.9	15-244		%Rec	1	12/18/2023 9:04:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/18/2023 9:04:00 PM
Toluene	ND	0.046		mg/Kg	1	12/18/2023 9:04:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/18/2023 9:04:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	12/18/2023 9:04:00 PM
Surr: 4-Bromofluorobenzene	97.9	39.1-146		%Rec	1	12/18/2023 9:04:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	5000	150		mg/Kg	50	12/20/2023 4:55:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-16 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 10:40:00 AM
Lab ID: 2312738-007 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/18/2023 3:21:05 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/18/2023 3:21:05 PM
Surr: DNOP	83.5	69-147		%Rec	1	12/18/2023 3:21:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/18/2023 11:15:00 PM
Surr: BFB	103	15-244		%Rec	1	12/18/2023 11:15:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/18/2023 11:15:00 PM
Toluene	ND	0.047		mg/Kg	1	12/18/2023 11:15:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/18/2023 11:15:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/18/2023 11:15:00 PM
Surr: 4-Bromofluorobenzene	98.5	39.1-146		%Rec	1	12/18/2023 11:15:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	660	60		mg/Kg	20	12/19/2023 3:04:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-17 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 10:45:00 AM
Lab ID: 2312738-008 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/18/2023 3:44:52 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/18/2023 3:44:52 PM
Surr: DNOP	80.0	69-147		%Rec	1	12/18/2023 3:44:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2023 12:21:00 AM
Surr: BFB	102	15-244		%Rec	1	12/19/2023 12:21:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 12:21:00 AM
Toluene	ND	0.049		mg/Kg	1	12/19/2023 12:21:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2023 12:21:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	12/19/2023 12:21:00 AM
Surr: 4-Bromofluorobenzene	97.5	39.1-146		%Rec	1	12/19/2023 12:21:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	10000	300		mg/Kg	100	12/20/2023 7:37:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-18 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 10:50:00 AM
Lab ID: 2312738-009 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/18/2023 4:08:39 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/18/2023 4:08:39 PM
Surr: DNOP	78.0	69-147		%Rec	1	12/18/2023 4:08:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/19/2023 1:27:00 AM
Surr: BFB	101	15-244		%Rec	1	12/19/2023 1:27:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/19/2023 1:27:00 AM
Toluene	ND	0.050		mg/Kg	1	12/19/2023 1:27:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	12/19/2023 1:27:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	12/19/2023 1:27:00 AM
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	12/19/2023 1:27:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	16000	600		mg/Kg	200	12/20/2023 11:57:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-19 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 10:55:00 AM
Lab ID: 2312738-010 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/18/2023 4:32:25 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/18/2023 4:32:25 PM
Surr: DNOP	85.5	69-147		%Rec	1	12/18/2023 4:32:25 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2023 1:49:00 AM
Surr: BFB	96.3	15-244		%Rec	1	12/19/2023 1:49:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 1:49:00 AM
Toluene	ND	0.047		mg/Kg	1	12/19/2023 1:49:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2023 1:49:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	12/19/2023 1:49:00 AM
Surr: 4-Bromofluorobenzene	96.4	39.1-146		%Rec	1	12/19/2023 1:49:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	23000	1500		mg/Kg	500	12/21/2023 12:59:40 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-10 9.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 11:00:00 AM
Lab ID: 2312738-011 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/18/2023 4:56:09 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/18/2023 4:56:09 PM
Surr: DNOP	83.7	69-147		%Rec	1	12/18/2023 4:56:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2023 2:11:00 AM
Surr: BFB	99.6	15-244		%Rec	1	12/19/2023 2:11:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/19/2023 2:11:00 AM
Toluene	ND	0.047		mg/Kg	1	12/19/2023 2:11:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2023 2:11:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	12/19/2023 2:11:00 AM
Surr: 4-Bromofluorobenzene	97.0	39.1-146		%Rec	1	12/19/2023 2:11:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	6300	300		mg/Kg	100	12/21/2023 12:56:40 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-11 9.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 11:05:00 AM
Lab ID: 2312738-012 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/18/2023 5:19:51 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/18/2023 5:19:51 PM
Surr: DNOP	87.8	69-147		%Rec	1	12/18/2023 5:19:51 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2023 2:32:00 AM
Surr: BFB	95.9	15-244		%Rec	1	12/19/2023 2:32:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 2:32:00 AM
Toluene	ND	0.047		mg/Kg	1	12/19/2023 2:32:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2023 2:32:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	12/19/2023 2:32:00 AM
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	12/19/2023 2:32:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	12/19/2023 4:06:30 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-12 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 11:10:00 AM
Lab ID: 2312738-013 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/18/2023 5:43:31 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/18/2023 5:43:31 PM
Surr: DNOP	86.8	69-147		%Rec	1	12/18/2023 5:43:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/19/2023 2:54:00 AM
Surr: BFB	96.9	15-244		%Rec	1	12/19/2023 2:54:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/19/2023 2:54:00 AM
Toluene	ND	0.050		mg/Kg	1	12/19/2023 2:54:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	12/19/2023 2:54:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	12/19/2023 2:54:00 AM
Surr: 4-Bromofluorobenzene	95.3	39.1-146		%Rec	1	12/19/2023 2:54:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	8800	300		mg/Kg	100	12/20/2023 7:49:29 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-13 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 11:15:00 AM
Lab ID: 2312738-014 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/18/2023 6:07:09 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/18/2023 6:07:09 PM
Surr: DNOP	86.2	69-147		%Rec	1	12/18/2023 6:07:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2023 3:16:00 AM
Surr: BFB	95.9	15-244		%Rec	1	12/19/2023 3:16:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/19/2023 3:16:00 AM
Toluene	ND	0.049		mg/Kg	1	12/19/2023 3:16:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2023 3:16:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/19/2023 3:16:00 AM
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	12/19/2023 3:16:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	5400	300		mg/Kg	100	12/20/2023 8:01:53 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-14 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 11:20:00 AM
Lab ID: 2312738-015 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/18/2023 6:30:44 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/18/2023 6:30:44 PM
Surr: DNOP	89.3	69-147		%Rec	1	12/18/2023 6:30:44 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2023 3:38:00 AM
Surr: BFB	97.1	15-244		%Rec	1	12/19/2023 3:38:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/19/2023 3:38:00 AM
Toluene	ND	0.049		mg/Kg	1	12/19/2023 3:38:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2023 3:38:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/19/2023 3:38:00 AM
Surr: 4-Bromofluorobenzene	96.2	39.1-146		%Rec	1	12/19/2023 3:38:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	7800	300		mg/Kg	100	12/20/2023 8:14:18 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-15 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 11:25:00 AM
Lab ID: 2312738-016 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/18/2023 7:17:52 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/18/2023 7:17:52 PM
Surr: DNOP	84.1	69-147		%Rec	1	12/18/2023 7:17:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2023 4:00:00 AM
Surr: BFB	99.5	15-244		%Rec	1	12/19/2023 4:00:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 4:00:00 AM
Toluene	ND	0.048		mg/Kg	1	12/19/2023 4:00:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2023 4:00:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	12/19/2023 4:00:00 AM
Surr: 4-Bromofluorobenzene	96.1	39.1-146		%Rec	1	12/19/2023 4:00:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	8800	300		mg/Kg	100	12/20/2023 8:26:42 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-16 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 11:30:00 AM
Lab ID: 2312738-017 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/18/2023 7:41:22 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/18/2023 7:41:22 PM
Surr: DNOP	91.2	69-147		%Rec	1	12/18/2023 7:41:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/19/2023 4:44:00 AM
Surr: BFB	98.5	15-244		%Rec	1	12/19/2023 4:44:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/19/2023 4:44:00 AM
Toluene	ND	0.046		mg/Kg	1	12/19/2023 4:44:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	12/19/2023 4:44:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	12/19/2023 4:44:00 AM
Surr: 4-Bromofluorobenzene	97.0	39.1-146		%Rec	1	12/19/2023 4:44:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	9300	300		mg/Kg	100	12/20/2023 9:03:56 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-17 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 11:35:00 AM
Lab ID: 2312738-018 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/18/2023 8:04:53 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/18/2023 8:04:53 PM
Surr: DNOP	82.1	69-147		%Rec	1	12/18/2023 8:04:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2023 5:06:00 AM
Surr: BFB	100	15-244		%Rec	1	12/19/2023 5:06:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 5:06:00 AM
Toluene	ND	0.049		mg/Kg	1	12/19/2023 5:06:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2023 5:06:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/19/2023 5:06:00 AM
Surr: 4-Bromofluorobenzene	97.4	39.1-146		%Rec	1	12/19/2023 5:06:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	14000	600		mg/Kg	200	12/21/2023 12:10:02 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-18 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 11:40:00 AM
Lab ID: 2312738-019 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/18/2023 8:28:18 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/18/2023 8:28:18 PM
Surr: DNOP	83.9	69-147		%Rec	1	12/18/2023 8:28:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2023 5:28:00 AM
Surr: BFB	99.5	15-244		%Rec	1	12/19/2023 5:28:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/19/2023 5:28:00 AM
Toluene	ND	0.049		mg/Kg	1	12/19/2023 5:28:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2023 5:28:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	12/19/2023 5:28:00 AM
Surr: 4-Bromofluorobenzene	97.7	39.1-146		%Rec	1	12/19/2023 5:28:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	17000	600		mg/Kg	200	12/21/2023 12:22:27 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-19 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 11:45:00 AM
Lab ID: 2312738-020 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/18/2023 8:51:44 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/18/2023 8:51:44 PM
Surr: DNOP	83.2	69-147		%Rec	1	12/18/2023 8:51:44 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2023 5:50:00 AM
Surr: BFB	102	15-244		%Rec	1	12/19/2023 5:50:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 5:50:00 AM
Toluene	ND	0.048		mg/Kg	1	12/19/2023 5:50:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2023 5:50:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/19/2023 5:50:00 AM
Surr: 4-Bromofluorobenzene	99.2	39.1-146		%Rec	1	12/19/2023 5:50:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	780	60		mg/Kg	20	12/19/2023 11:47:42 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-20 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 11:50:00 AM
Lab ID: 2312738-021 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/18/2023 9:15:07 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/18/2023 9:15:07 PM
Surr: DNOP	80.5	69-147		%Rec	1	12/18/2023 9:15:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/19/2023 6:11:00 AM
Surr: BFB	96.4	15-244		%Rec	1	12/19/2023 6:11:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/19/2023 6:11:00 AM
Toluene	ND	0.050		mg/Kg	1	12/19/2023 6:11:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	12/19/2023 6:11:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	12/19/2023 6:11:00 AM
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	12/19/2023 6:11:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	3000	150		mg/Kg	50	12/20/2023 5:20:33 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-21 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 11:55:00 AM
Lab ID: 2312738-022 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/18/2023 9:38:28 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/18/2023 9:38:28 PM
Surr: DNOP	80.6	69-147		%Rec	1	12/18/2023 9:38:28 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2023 6:33:00 AM
Surr: BFB	97.1	15-244		%Rec	1	12/19/2023 6:33:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/19/2023 6:33:00 AM
Toluene	ND	0.047		mg/Kg	1	12/19/2023 6:33:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2023 6:33:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	12/19/2023 6:33:00 AM
Surr: 4-Bromofluorobenzene	97.4	39.1-146		%Rec	1	12/19/2023 6:33:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	2600	150		mg/Kg	50	12/20/2023 5:32:58 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-22 5.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 12:00:00 PM
Lab ID: 2312738-023 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/18/2023 10:01:48 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/18/2023 10:01:48 PM
Surr: DNOP	81.4	69-147		%Rec	1	12/18/2023 10:01:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2023 6:55:00 AM
Surr: BFB	100	15-244		%Rec	1	12/19/2023 6:55:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 6:55:00 AM
Toluene	ND	0.049		mg/Kg	1	12/19/2023 6:55:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2023 6:55:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/19/2023 6:55:00 AM
Surr: 4-Bromofluorobenzene	98.1	39.1-146		%Rec	1	12/19/2023 6:55:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	59		mg/Kg	20	12/19/2023 12:49:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-23 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/9/2023 12:05:00 PM
Lab ID: 2312738-024 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/18/2023 10:25:06 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/18/2023 10:25:06 PM
Surr: DNOP	84.4	69-147		%Rec	1	12/18/2023 10:25:06 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2023 7:17:00 AM
Surr: BFB	101	15-244		%Rec	1	12/19/2023 7:17:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/19/2023 7:17:00 AM
Toluene	ND	0.049		mg/Kg	1	12/19/2023 7:17:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2023 7:17:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	12/19/2023 7:17:00 AM
Surr: 4-Bromofluorobenzene	98.1	39.1-146		%Rec	1	12/19/2023 7:17:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	7300	300		mg/Kg	100	12/20/2023 9:16:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-24 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 9:00:00 AM
Lab ID: 2312738-025 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/18/2023 10:48:23 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/18/2023 10:48:23 PM
Surr: DNOP	85.4	69-147		%Rec	1	12/18/2023 10:48:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2023 7:39:00 AM
Surr: BFB	96.9	15-244		%Rec	1	12/19/2023 7:39:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 7:39:00 AM
Toluene	ND	0.048		mg/Kg	1	12/19/2023 7:39:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2023 7:39:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/19/2023 7:39:00 AM
Surr: 4-Bromofluorobenzene	94.5	39.1-146		%Rec	1	12/19/2023 7:39:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	3000	150		mg/Kg	50	12/20/2023 5:45:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-25 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 9:10:00 AM
Lab ID: 2312738-026 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/18/2023 11:11:42 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/18/2023 11:11:42 PM
Surr: DNOP	86.8	69-147		%Rec	1	12/18/2023 11:11:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2023 8:01:00 AM
Surr: BFB	97.7	15-244		%Rec	1	12/19/2023 8:01:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 8:01:00 AM
Toluene	ND	0.048		mg/Kg	1	12/19/2023 8:01:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2023 8:01:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	12/19/2023 8:01:00 AM
Surr: 4-Bromofluorobenzene	94.8	39.1-146		%Rec	1	12/19/2023 8:01:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	790	59		mg/Kg	20	12/19/2023 1:26:57 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-26 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 9:20:00 AM
Lab ID: 2312738-027 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/18/2023 8:04:39 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/18/2023 8:04:39 PM
Surr: DNOP	99.4	69-147		%Rec	1	12/18/2023 8:04:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2023 11:56:00 AM
Surr: BFB	107	15-244		%Rec	1	12/19/2023 11:56:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/19/2023 11:56:00 AM
Toluene	ND	0.049		mg/Kg	1	12/19/2023 11:56:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2023 11:56:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/19/2023 11:56:00 AM
Surr: 4-Bromofluorobenzene	98.9	39.1-146		%Rec	1	12/19/2023 11:56:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	1400	60		mg/Kg	20	12/19/2023 1:39:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-27 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 9:30:00 AM
Lab ID: 2312738-028 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	12	9.6		mg/Kg	1	12/18/2023 8:15:04 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/18/2023 8:15:04 PM
Surr: DNOP	104	69-147		%Rec	1	12/18/2023 8:15:04 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2023 1:02:00 PM
Surr: BFB	100	15-244		%Rec	1	12/19/2023 1:02:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 1:02:00 PM
Toluene	ND	0.049		mg/Kg	1	12/19/2023 1:02:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2023 1:02:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/19/2023 1:02:00 PM
Surr: 4-Bromofluorobenzene	97.8	39.1-146		%Rec	1	12/19/2023 1:02:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	1200	60		mg/Kg	20	12/19/2023 1:51:46 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-28 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 9:40:00 AM
Lab ID: 2312738-029 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	11	9.6		mg/Kg	1	12/18/2023 8:25:28 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/18/2023 8:25:28 PM
Surr: DNOP	99.7	69-147		%Rec	1	12/18/2023 8:25:28 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2023 2:08:00 PM
Surr: BFB	98.0	15-244		%Rec	1	12/19/2023 2:08:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/19/2023 2:08:00 PM
Toluene	ND	0.047		mg/Kg	1	12/19/2023 2:08:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2023 2:08:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/19/2023 2:08:00 PM
Surr: 4-Bromofluorobenzene	96.5	39.1-146		%Rec	1	12/19/2023 2:08:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	2200	59		mg/Kg	20	12/19/2023 2:04:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-29 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 9:50:00 AM
Lab ID: 2312738-030 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	16	9.7		mg/Kg	1	12/18/2023 8:35:53 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/18/2023 8:35:53 PM
Surr: DNOP	104	69-147		%Rec	1	12/18/2023 8:35:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2023 2:30:00 PM
Surr: BFB	101	15-244		%Rec	1	12/19/2023 2:30:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/19/2023 2:30:00 PM
Toluene	ND	0.047		mg/Kg	1	12/19/2023 2:30:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2023 2:30:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/19/2023 2:30:00 PM
Surr: 4-Bromofluorobenzene	97.9	39.1-146		%Rec	1	12/19/2023 2:30:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	2300	60		mg/Kg	20	12/19/2023 2:16:35 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-30 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 10:00:00 AM
Lab ID: 2312738-031 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	24	9.5		mg/Kg	1	12/18/2023 8:46:18 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/18/2023 8:46:18 PM
Surr: DNOP	100	69-147		%Rec	1	12/18/2023 8:46:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2023 2:52:00 PM
Surr: BFB	97.3	15-244		%Rec	1	12/19/2023 2:52:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 2:52:00 PM
Toluene	ND	0.047		mg/Kg	1	12/19/2023 2:52:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2023 2:52:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/19/2023 2:52:00 PM
Surr: 4-Bromofluorobenzene	96.8	39.1-146		%Rec	1	12/19/2023 2:52:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	2000	60		mg/Kg	20	12/19/2023 2:28:59 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BES23-31 2.0'
Project: Margarita Pony Riser
Collection Date: 12/10/2023 10:10:00 AM
Lab ID: 2312738-032 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	16	9.8		mg/Kg	1	12/18/2023 8:56:45 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/18/2023 8:56:45 PM
Surr: DNOP	103	69-147		%Rec	1	12/18/2023 8:56:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2023 3:14:00 PM
Surr: BFB	101	15-244		%Rec	1	12/19/2023 3:14:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 3:14:00 PM
Toluene	ND	0.048		mg/Kg	1	12/19/2023 3:14:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2023 3:14:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/19/2023 3:14:00 PM
Surr: 4-Bromofluorobenzene	98.5	39.1-146		%Rec	1	12/19/2023 3:14:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	2500	150		mg/Kg	50	12/20/2023 5:57:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BES23-32 2.0'
Project: Margarita Pony Riser
Collection Date: 12/10/2023 10:20:00 AM
Lab ID: 2312738-033 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/19/2023 11:19:08 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/19/2023 11:19:08 AM
Surr: DNOP	113	69-147		%Rec	1	12/19/2023 11:19:08 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2023 3:36:00 PM
Surr: BFB	102	15-244		%Rec	1	12/19/2023 3:36:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/19/2023 3:36:00 PM
Toluene	ND	0.047		mg/Kg	1	12/19/2023 3:36:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2023 3:36:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/19/2023 3:36:00 PM
Surr: 4-Bromofluorobenzene	98.2	39.1-146		%Rec	1	12/19/2023 3:36:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	1800	60		mg/Kg	20	12/19/2023 3:18:38 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-33 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 10:30:00 AM
Lab ID: 2312738-034 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/18/2023 9:17:39 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/18/2023 9:17:39 PM
Surr: DNOP	101	69-147		%Rec	1	12/18/2023 9:17:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2023 3:58:00 PM
Surr: BFB	98.5	15-244		%Rec	1	12/19/2023 3:58:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/19/2023 3:58:00 PM
Toluene	ND	0.049		mg/Kg	1	12/19/2023 3:58:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2023 3:58:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/19/2023 3:58:00 PM
Surr: 4-Bromofluorobenzene	97.5	39.1-146		%Rec	1	12/19/2023 3:58:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	1900	60		mg/Kg	20	12/19/2023 3:31:03 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BES23-34 3.0'
Project: Margarita Pony Riser
Collection Date: 12/10/2023 10:40:00 AM
Lab ID: 2312738-035 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/18/2023 9:28:06 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/18/2023 9:28:06 PM
Surr: DNOP	104	69-147		%Rec	1	12/18/2023 9:28:06 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/19/2023 4:20:00 PM
Surr: BFB	101	15-244		%Rec	1	12/19/2023 4:20:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/19/2023 4:20:00 PM
Toluene	ND	0.046		mg/Kg	1	12/19/2023 4:20:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/19/2023 4:20:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	12/19/2023 4:20:00 PM
Surr: 4-Bromofluorobenzene	97.4	39.1-146		%Rec	1	12/19/2023 4:20:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	7000	300		mg/Kg	100	12/20/2023 9:28:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-35 6.5'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 10:50:00 AM
Lab ID: 2312738-036 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	12	9.5		mg/Kg	1	12/18/2023 9:38:35 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/18/2023 9:38:35 PM
Surr: DNOP	99.4	69-147		%Rec	1	12/18/2023 9:38:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/19/2023 4:43:00 PM
Surr: BFB	97.7	15-244		%Rec	1	12/19/2023 4:43:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/19/2023 4:43:00 PM
Toluene	ND	0.046		mg/Kg	1	12/19/2023 4:43:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/19/2023 4:43:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	12/19/2023 4:43:00 PM
Surr: 4-Bromofluorobenzene	97.3	39.1-146		%Rec	1	12/19/2023 4:43:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	1200	60		mg/Kg	20	12/19/2023 3:55:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-20 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 11:00:00 AM
Lab ID: 2312738-037 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/18/2023 9:59:22 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/18/2023 9:59:22 PM
Surr: DNOP	103	69-147		%Rec	1	12/18/2023 9:59:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2023 5:27:00 PM
Surr: BFB	97.8	15-244		%Rec	1	12/19/2023 5:27:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 5:27:00 PM
Toluene	ND	0.049		mg/Kg	1	12/19/2023 5:27:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2023 5:27:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/19/2023 5:27:00 PM
Surr: 4-Bromofluorobenzene	98.0	39.1-146		%Rec	1	12/19/2023 5:27:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	3000	300		mg/Kg	100	12/20/2023 9:41:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-22 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 11:20:00 AM
Lab ID: 2312738-038 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/18/2023 10:09:52 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/18/2023 10:09:52 PM
Surr: DNOP	100	69-147		%Rec	1	12/18/2023 10:09:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2023 5:49:00 PM
Surr: BFB	98.3	15-244		%Rec	1	12/19/2023 5:49:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 5:49:00 PM
Toluene	ND	0.048		mg/Kg	1	12/19/2023 5:49:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2023 5:49:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/19/2023 5:49:00 PM
Surr: 4-Bromofluorobenzene	97.7	39.1-146		%Rec	1	12/19/2023 5:49:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	1700	60		mg/Kg	20	12/19/2023 12:37:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-23 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 11:30:00 AM
Lab ID: 2312738-039 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	11	9.4		mg/Kg	1	12/18/2023 10:20:22 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/18/2023 10:20:22 PM
Surr: DNOP	102	69-147		%Rec	1	12/18/2023 10:20:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/19/2023 6:10:00 PM
Surr: BFB	100	15-244		%Rec	1	12/19/2023 6:10:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/19/2023 6:10:00 PM
Toluene	ND	0.050		mg/Kg	1	12/19/2023 6:10:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/19/2023 6:10:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/19/2023 6:10:00 PM
Surr: 4-Bromofluorobenzene	97.1	39.1-146		%Rec	1	12/19/2023 6:10:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	4600	150		mg/Kg	50	12/20/2023 6:35:01 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-24 6.5'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 11:40:00 AM
Lab ID: 2312738-040 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/18/2023 10:30:52 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/18/2023 10:30:52 PM
Surr: DNOP	106	69-147		%Rec	1	12/18/2023 10:30:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2023 6:32:00 PM
Surr: BFB	96.8	15-244		%Rec	1	12/19/2023 6:32:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 6:32:00 PM
Toluene	ND	0.047		mg/Kg	1	12/19/2023 6:32:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2023 6:32:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/19/2023 6:32:00 PM
Surr: 4-Bromofluorobenzene	95.7	39.1-146		%Rec	1	12/19/2023 6:32:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	12000	610		mg/Kg	200	12/21/2023 12:34:52 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-25 6.5'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 11:50:00 AM
Lab ID: 2312738-041 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/18/2023 10:41:32 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/18/2023 10:41:32 PM
Surr: DNOP	106	69-147		%Rec	1	12/18/2023 10:41:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2023 6:54:00 PM
Surr: BFB	98.5	15-244		%Rec	1	12/19/2023 6:54:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 6:54:00 PM
Toluene	ND	0.047		mg/Kg	1	12/19/2023 6:54:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2023 6:54:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/19/2023 6:54:00 PM
Surr: 4-Bromofluorobenzene	98.1	39.1-146		%Rec	1	12/19/2023 6:54:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	8500	300		mg/Kg	100	12/20/2023 9:53:33 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-26 3.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 12:00:00 PM
Lab ID: 2312738-042 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/18/2023 10:52:12 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/18/2023 10:52:12 PM
Surr: DNOP	98.2	69-147		%Rec	1	12/18/2023 10:52:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/19/2023 7:16:00 PM
Surr: BFB	101	15-244		%Rec	1	12/19/2023 7:16:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/19/2023 7:16:00 PM
Toluene	ND	0.046		mg/Kg	1	12/19/2023 7:16:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/19/2023 7:16:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	12/19/2023 7:16:00 PM
Surr: 4-Bromofluorobenzene	99.3	39.1-146		%Rec	1	12/19/2023 7:16:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	3500	150		mg/Kg	50	12/20/2023 6:47:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WES23-27 3.0'
Project: Margarita Pony Riser **Collection Date:** 12/10/2023 12:10:00 PM
Lab ID: 2312738-043 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/18/2023 11:02:50 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/18/2023 11:02:50 PM
Surr: DNOP	108	69-147		%Rec	1	12/18/2023 11:02:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/19/2023 7:38:00 PM
Surr: BFB	98.3	15-244		%Rec	1	12/19/2023 7:38:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/19/2023 7:38:00 PM
Toluene	ND	0.046		mg/Kg	1	12/19/2023 7:38:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/19/2023 7:38:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	12/19/2023 7:38:00 PM
Surr: 4-Bromofluorobenzene	96.8	39.1-146		%Rec	1	12/19/2023 7:38:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	1900	60		mg/Kg	20	12/19/2023 3:24:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-36 9.0'
Project: Margarita Pony Riser **Collection Date:** 12/11/2023 9:00:00 AM
Lab ID: 2312738-044 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/18/2023 11:13:26 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/18/2023 11:13:26 PM
Surr: DNOP	83.9	69-147		%Rec	1	12/18/2023 11:13:26 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2023 8:00:00 PM
Surr: BFB	103	15-244		%Rec	1	12/19/2023 8:00:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/19/2023 8:00:00 PM
Toluene	ND	0.049		mg/Kg	1	12/19/2023 8:00:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2023 8:00:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/19/2023 8:00:00 PM
Surr: 4-Bromofluorobenzene	97.1	39.1-146		%Rec	1	12/19/2023 8:00:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	7900	300		mg/Kg	100	12/20/2023 10:05:57 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-37 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/11/2023 9:10:00 AM
Lab ID: 2312738-045 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/18/2023 11:24:02 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/18/2023 11:24:02 PM
Surr: DNOP	80.6	69-147		%Rec	1	12/18/2023 11:24:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2023 8:22:00 PM
Surr: BFB	96.5	15-244		%Rec	1	12/19/2023 8:22:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 8:22:00 PM
Toluene	ND	0.048		mg/Kg	1	12/19/2023 8:22:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2023 8:22:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/19/2023 8:22:00 PM
Surr: 4-Bromofluorobenzene	96.4	39.1-146		%Rec	1	12/19/2023 8:22:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	15000	610		mg/Kg	200	12/21/2023 12:47:16 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-38 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/11/2023 9:20:00 AM
Lab ID: 2312738-046 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/18/2023 11:34:37 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/18/2023 11:34:37 PM
Surr: DNOP	77.6	69-147		%Rec	1	12/18/2023 11:34:37 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2023 8:44:00 PM
Surr: BFB	100	15-244		%Rec	1	12/19/2023 8:44:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 8:44:00 PM
Toluene	ND	0.047		mg/Kg	1	12/19/2023 8:44:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2023 8:44:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/19/2023 8:44:00 PM
Surr: 4-Bromofluorobenzene	98.2	39.1-146		%Rec	1	12/19/2023 8:44:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	8300	300		mg/Kg	100	12/20/2023 10:18:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-39 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/11/2023 9:30:00 AM
Lab ID: 2312738-047 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/19/2023 1:31:14 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/19/2023 1:31:14 AM
Surr: DNOP	73.6	69-147		%Rec	1	12/19/2023 1:31:14 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/20/2023 6:30:00 PM
Surr: BFB	96.5	15-244		%Rec	1	12/20/2023 6:30:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/20/2023 6:30:00 PM
Toluene	ND	0.050		mg/Kg	1	12/20/2023 6:30:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/20/2023 6:30:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	12/20/2023 6:30:00 PM
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	12/20/2023 6:30:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	9900	300		mg/Kg	100	12/20/2023 10:30:46 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BES23-40 7.0'
Project: Margarita Pony Riser
Collection Date: 12/11/2023 9:40:00 AM
Lab ID: 2312738-048 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/19/2023 1:54:34 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/19/2023 1:54:34 AM
Surr: DNOP	77.7	69-147		%Rec	1	12/19/2023 1:54:34 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/20/2023 6:52:00 PM
Surr: BFB	101	15-244		%Rec	1	12/20/2023 6:52:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/20/2023 6:52:00 PM
Toluene	ND	0.047		mg/Kg	1	12/20/2023 6:52:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/20/2023 6:52:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	12/20/2023 6:52:00 PM
Surr: 4-Bromofluorobenzene	97.7	39.1-146		%Rec	1	12/20/2023 6:52:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	4900	300		mg/Kg	100	12/20/2023 10:43:10 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-41 7.0'
Project: Margarita Pony Riser **Collection Date:** 12/11/2023 9:50:00 AM
Lab ID: 2312738-049 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/19/2023 2:17:48 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/19/2023 2:17:48 AM
Surr: DNOP	77.4	69-147		%Rec	1	12/19/2023 2:17:48 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/20/2023 7:15:00 PM
Surr: BFB	97.8	15-244		%Rec	1	12/20/2023 7:15:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/20/2023 7:15:00 PM
Toluene	ND	0.048		mg/Kg	1	12/20/2023 7:15:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/20/2023 7:15:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/20/2023 7:15:00 PM
Surr: 4-Bromofluorobenzene	97.9	39.1-146		%Rec	1	12/20/2023 7:15:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	3000	150		mg/Kg	50	12/20/2023 6:59:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-42 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/11/2023 10:00:00 AM
Lab ID: 2312738-050 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/19/2023 2:41:03 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/19/2023 2:41:03 AM
Surr: DNOP	78.0	69-147		%Rec	1	12/19/2023 2:41:03 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/20/2023 7:37:00 PM
Surr: BFB	98.6	15-244		%Rec	1	12/20/2023 7:37:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/20/2023 7:37:00 PM
Toluene	ND	0.046		mg/Kg	1	12/20/2023 7:37:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/20/2023 7:37:00 PM
Xylenes, Total	ND	0.091		mg/Kg	1	12/20/2023 7:37:00 PM
Surr: 4-Bromofluorobenzene	96.5	39.1-146		%Rec	1	12/20/2023 7:37:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	540	59		mg/Kg	20	12/19/2023 5:40:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-43 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/11/2023 10:10:00 AM
Lab ID: 2312738-051 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/19/2023 3:04:18 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/19/2023 3:04:18 AM
Surr: DNOP	80.3	69-147		%Rec	1	12/19/2023 3:04:18 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/20/2023 7:59:00 PM
Surr: BFB	97.3	15-244		%Rec	1	12/20/2023 7:59:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/20/2023 7:59:00 PM
Toluene	ND	0.048		mg/Kg	1	12/20/2023 7:59:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/20/2023 7:59:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/20/2023 7:59:00 PM
Surr: 4-Bromofluorobenzene	96.5	39.1-146		%Rec	1	12/20/2023 7:59:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	1300	60		mg/Kg	20	12/19/2023 5:55:54 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BES23-44 1.0'
Project: Margarita Pony Riser
Collection Date: 12/11/2023 10:20:00 AM
Lab ID: 2312738-052 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/19/2023 12:46:54 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/19/2023 12:46:54 PM
Surr: DNOP	84.5	69-147		%Rec	1	12/19/2023 12:46:54 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2023 10:56:00 PM
Surr: BFB	100	15-244		%Rec	1	12/19/2023 10:56:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/19/2023 10:56:00 PM
Toluene	ND	0.048		mg/Kg	1	12/19/2023 10:56:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2023 10:56:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/19/2023 10:56:00 PM
Surr: 4-Bromofluorobenzene	98.7	39.1-146		%Rec	1	12/19/2023 10:56:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	690	60		mg/Kg	20	12/19/2023 6:11:03 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BES23-45 1.0'
Project: Margarita Pony Riser
Collection Date: 12/11/2023 10:30:00 AM
Lab ID: 2312738-053 **Matrix:** SOIL
Received Date: 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/19/2023 1:11:22 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/19/2023 1:11:22 PM
Surr: DNOP	86.0	69-147		%Rec	1	12/19/2023 1:11:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/20/2023 12:02:00 AM
Surr: BFB	99.5	15-244		%Rec	1	12/20/2023 12:02:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/20/2023 12:02:00 AM
Toluene	ND	0.048		mg/Kg	1	12/20/2023 12:02:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/20/2023 12:02:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	12/20/2023 12:02:00 AM
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	12/20/2023 12:02:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	520	60		mg/Kg	20	12/19/2023 6:26:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BES23-46 2.0'
Project: Margarita Pony Riser
Collection Date: 12/11/2023 10:40:00 AM
Lab ID: 2312738-054 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	11	9.7		mg/Kg	1	12/19/2023 1:35:55 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/19/2023 1:35:55 PM
Surr: DNOP	84.0	69-147		%Rec	1	12/19/2023 1:35:55 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/20/2023 1:08:00 AM
Surr: BFB	97.9	15-244		%Rec	1	12/20/2023 1:08:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/20/2023 1:08:00 AM
Toluene	ND	0.049		mg/Kg	1	12/20/2023 1:08:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/20/2023 1:08:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/20/2023 1:08:00 AM
Surr: 4-Bromofluorobenzene	95.0	39.1-146		%Rec	1	12/20/2023 1:08:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	3200	150		mg/Kg	50	12/20/2023 7:12:15 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-47 2.0'
Project: Margarita Pony Riser **Collection Date:** 12/11/2023 10:50:00 AM
Lab ID: 2312738-055 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/19/2023 2:00:22 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/19/2023 2:00:22 PM
Surr: DNOP	87.3	69-147		%Rec	1	12/19/2023 2:00:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/20/2023 1:30:00 AM
Surr: BFB	101	15-244		%Rec	1	12/20/2023 1:30:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/20/2023 1:30:00 AM
Toluene	ND	0.047		mg/Kg	1	12/20/2023 1:30:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/20/2023 1:30:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	12/20/2023 1:30:00 AM
Surr: 4-Bromofluorobenzene	95.0	39.1-146		%Rec	1	12/20/2023 1:30:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	3300	150		mg/Kg	50	12/20/2023 7:24:40 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-48 1.0'
Project: Margarita Pony Riser **Collection Date:** 12/11/2023 11:00:00 AM
Lab ID: 2312738-056 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	11	9.8		mg/Kg	1	12/19/2023 2:24:56 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/19/2023 2:24:56 PM
Surr: DNOP	78.7	69-147		%Rec	1	12/19/2023 2:24:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/20/2023 1:52:00 AM
Surr: BFB	96.3	15-244		%Rec	1	12/20/2023 1:52:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/20/2023 1:52:00 AM
Toluene	ND	0.046		mg/Kg	1	12/20/2023 1:52:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	12/20/2023 1:52:00 AM
Xylenes, Total	ND	0.092		mg/Kg	1	12/20/2023 1:52:00 AM
Surr: 4-Bromofluorobenzene	95.7	39.1-146		%Rec	1	12/20/2023 1:52:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	400	60		mg/Kg	20	12/19/2023 7:11:40 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312738**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BES23-49 1.0'
Project: Margarita Pony Riser **Collection Date:** 12/11/2023 11:10:00 AM
Lab ID: 2312738-057 **Matrix:** SOIL **Received Date:** 12/13/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/19/2023 2:49:26 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/19/2023 2:49:26 PM
Surr: DNOP	82.2	69-147		%Rec	1	12/19/2023 2:49:26 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/20/2023 2:14:00 AM
Surr: BFB	95.4	15-244		%Rec	1	12/20/2023 2:14:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/20/2023 2:14:00 AM
Toluene	ND	0.046		mg/Kg	1	12/20/2023 2:14:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	12/20/2023 2:14:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	12/20/2023 2:14:00 AM
Surr: 4-Bromofluorobenzene	96.2	39.1-146		%Rec	1	12/20/2023 2:14:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	590	59		mg/Kg	20	12/19/2023 7:26:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **MB-79484**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **79484**	RunNo: **101966**								
Prep Date: **12/19/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762234**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79484**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **79484**	RunNo: **101966**								
Prep Date: **12/19/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762235**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.3	90	110			

Sample ID: **MB-79495**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **79495**	RunNo: **101979**								
Prep Date: **12/19/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762695**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79495**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **79495**	RunNo: **101979**								
Prep Date: **12/19/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762696**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

Sample ID: **MB-79483**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **79483**	RunNo: **101986**								
Prep Date: **12/19/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762876**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79483**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **79483**	RunNo: **101986**								
Prep Date: **12/19/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762877**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **LCS-79421**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79421**	RunNo: **101883**
Prep Date: **12/15/2023**	Analysis Date: **12/16/2023**	SeqNo: **3757010** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.5	61.9	130			
Surr: DNOP	5.3		5.000		106	69	147			

Sample ID: **MB-79421**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79421**	RunNo: **101883**
Prep Date: **12/15/2023**	Analysis Date: **12/16/2023**	SeqNo: **3757012** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.1	69	147			

Sample ID: **LCS-79438**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79438**	RunNo: **101904**
Prep Date: **12/18/2023**	Analysis Date: **12/18/2023**	SeqNo: **3758219** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.1		5.000		82.8	69	147			

Sample ID: **MB-79438**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79438**	RunNo: **101904**
Prep Date: **12/18/2023**	Analysis Date: **12/18/2023**	SeqNo: **3758220** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.1		10.00		80.5	69	147			

Sample ID: **MB-79459**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79459**	RunNo: **101919**
Prep Date: **12/18/2023**	Analysis Date: **12/18/2023**	SeqNo: **3759353** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.6	69	147			

Sample ID: **LCS-79459**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79459**	RunNo: **101919**
Prep Date: **12/18/2023**	Analysis Date: **12/18/2023**	SeqNo: **3759354** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **LCS-79459** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **79459** RunNo: **101919**
Prep Date: **12/18/2023** Analysis Date: **12/18/2023** SeqNo: **3759354** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.4	61.9	130			
Surr: DNOP	4.2		5.000		84.3	69	147			

Sample ID: **2312738-026AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BES23-25 2.0'** Batch ID: **79459** RunNo: **101919**
Prep Date: **12/18/2023** Analysis Date: **12/18/2023** SeqNo: **3759376** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.3	46.69	0	102	54.2	135			
Surr: DNOP	4.1		4.669		88.0	69	147			

Sample ID: **2312738-026AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BES23-25 2.0'** Batch ID: **79459** RunNo: **101919**
Prep Date: **12/18/2023** Analysis Date: **12/18/2023** SeqNo: **3759377** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	9.7	48.36	0	108	54.2	135	9.04	29.2	
Surr: DNOP	4.3		4.836		88.1	69	147	0	0	

Sample ID: **MB-79473** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **79473** RunNo: **101919**
Prep Date: **12/18/2023** Analysis Date: **12/19/2023** SeqNo: **3759379** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.1		10.00		71.2	69	147			

Sample ID: **LCS-79473** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **79473** RunNo: **101919**
Prep Date: **12/18/2023** Analysis Date: **12/19/2023** SeqNo: **3759380** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	61.9	130			
Surr: DNOP	4.0		5.000		81.0	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **2312738-046AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BES23-38 7.0'**	Batch ID: **79464**	RunNo: **101904**
Prep Date: **12/18/2023**	Analysis Date: **12/18/2023**	SeqNo: **3759594** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.3	46.25	0	90.7	54.2	135			
Surr: DNOP	4.0		4.625		86.3	69	147			

Sample ID: **2312738-046AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BES23-38 7.0'**	Batch ID: **79464**	RunNo: **101904**
Prep Date: **12/18/2023**	Analysis Date: **12/18/2023**	SeqNo: **3759595** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.9	49.65	0	93.0	54.2	135	9.60	29.2	
Surr: DNOP	4.4		4.965		88.0	69	147	0	0	

Sample ID: **LCS-79464**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79464**	RunNo: **101904**
Prep Date: **12/18/2023**	Analysis Date: **12/18/2023**	SeqNo: **3759629** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.8	61.9	130			
Surr: DNOP	4.5		5.000		90.1	69	147			

Sample ID: **MB-79464**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79464**	RunNo: **101904**
Prep Date: **12/18/2023**	Analysis Date: **12/18/2023**	SeqNo: **3759631** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		96.9	69	147			

Sample ID: **MB-79490**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79490**	RunNo: **101944**
Prep Date: **12/19/2023**	Analysis Date: **12/19/2023**	SeqNo: **3760434** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.9		10.00		78.7	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **LCS-79490**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79490**	RunNo: **101944**
Prep Date: **12/19/2023**	Analysis Date: **12/19/2023**	SeqNo: **3760435** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.0	61.9	130			
Surr: DNOP	4.3		5.000		86.9	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **lcs-79410**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79410**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/18/2023**	SeqNo: **3760468** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	70	130			
Surr: BFB	2300		1000		228	15	244			

Sample ID: **mb-79410**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79410**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/18/2023**	SeqNo: **3760469** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	15	244			

Sample ID: **lcs-79426**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79426**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/18/2023**	SeqNo: **3760492** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.4	70	130			
Surr: BFB	2200		1000		216	15	244			

Sample ID: **mb-79426**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79426**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/18/2023**	SeqNo: **3760493** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	15	244			

Sample ID: **2312738-007ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WES23-16 7.0'**	Batch ID: **79426**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/18/2023**	SeqNo: **3760495** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.7	23.32	0	92.4	70	130			
Surr: BFB	2000		932.8		217	15	244			

Sample ID: **2312738-007amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WES23-16 7.0'**	Batch ID: **79426**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/18/2023**	SeqNo: **3760496** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **2312738-007amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WES23-16 7.0'**	Batch ID: **79426**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/18/2023**	SeqNo: **3760496** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.7	23.34	0	86.2	70	130	6.90	20	
Surr: BFB	2000		933.7		211	15	244	0	0	

Sample ID: **lcs-79453**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79453**	RunNo: **101963**
Prep Date: **12/18/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762014** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.1	70	130			
Surr: BFB	2100		1000		215	15	244			

Sample ID: **mb-79453**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79453**	RunNo: **101963**
Prep Date: **12/18/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762015** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	15	244			

Sample ID: **2312738-027ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BES23-26 2.0'**	Batch ID: **79453**	RunNo: **101963**
Prep Date: **12/18/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762017** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.39	0	102	70	130			
Surr: BFB	2300		975.6		236	15	244			

Sample ID: **2312738-027amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BES23-26 2.0'**	Batch ID: **79453**	RunNo: **101963**
Prep Date: **12/18/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762018** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.39	0	107	70	130	4.92	20	
Surr: BFB	2300		975.6		232	15	244	0	0	

Sample ID: **lcs-79469**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79469**	RunNo: **101963**
Prep Date: **12/18/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762038** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **lcs-79469** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **LCSS** Batch ID: **79469** RunNo: **101963**

Prep Date: **12/18/2023** Analysis Date: **12/19/2023** SeqNo: **3762038** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	70	130			
Surr: BFB	2200		1000		223	15	244			

Sample ID: **mb-79469** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **PBS** Batch ID: **79469** RunNo: **101963**

Prep Date: **12/18/2023** Analysis Date: **12/19/2023** SeqNo: **3762039** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.0	15	244			

Sample ID: **2312738-052ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **BES23-44 1.0'** Batch ID: **79469** RunNo: **101963**

Prep Date: **12/18/2023** Analysis Date: **12/19/2023** SeqNo: **3762041** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	24.04	0	100	70	130			
Surr: BFB	2200		961.5		226	15	244			

Sample ID: **2312738-052amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **BES23-44 1.0'** Batch ID: **79469** RunNo: **101963**

Prep Date: **12/18/2023** Analysis Date: **12/19/2023** SeqNo: **3762042** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	24.02	0	101	70	130	0.974	20	
Surr: BFB	2200		960.6		233	15	244	0	0	

Sample ID: **lcs-79439** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **LCSS** Batch ID: **79439** RunNo: **101997**

Prep Date: **12/18/2023** Analysis Date: **12/20/2023** SeqNo: **3763388** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	70	130			
Surr: BFB	2200		1000		220	15	244			

Sample ID: **mb-79439** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **PBS** Batch ID: **79439** RunNo: **101997**

Prep Date: **12/18/2023** Analysis Date: **12/20/2023** SeqNo: **3763389** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **mb-79439**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79439**	RunNo: **101997**
Prep Date: **12/18/2023**	Analysis Date: **12/20/2023**	SeqNo: **3763389** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.1	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **lcs-79410**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79410**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/18/2023**	SeqNo: **3760583** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	70	130			
Toluene	1.0	0.050	1.000	0	102	70	130			
Ethylbenzene	1.0	0.050	1.000	0	104	70	130			
Xylenes, Total	3.1	0.10	3.000	0	104	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	39.1	146			

Sample ID: **mb-79410**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79410**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/18/2023**	SeqNo: **3760584** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: **lcs-79426**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79426**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/18/2023**	SeqNo: **3760607** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	99.2	70	130			
Toluene	0.99	0.050	1.000	0	99.0	70	130			
Ethylbenzene	1.0	0.050	1.000	0	101	70	130			
Xylenes, Total	3.0	0.10	3.000	0	101	70	130			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.4	39.1	146			

Sample ID: **mb-79426**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79426**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/18/2023**	SeqNo: **3760608** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		97.8	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **2312738-008ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WES23-17 7.0'**	Batch ID: **79426**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/19/2023**	SeqNo: **3760611** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9690	0	95.3	70	130			
Toluene	0.94	0.048	0.9690	0	97.0	70	130			
Ethylbenzene	0.96	0.048	0.9690	0	99.4	70	130			
Xylenes, Total	2.9	0.097	2.907	0	100	70	130			
Surr: 4-Bromofluorobenzene	0.95		0.9690		98.1	39.1	146			

Sample ID: **2312738-008amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WES23-17 7.0'**	Batch ID: **79426**	RunNo: **101947**
Prep Date: **12/15/2023**	Analysis Date: **12/19/2023**	SeqNo: **3760612** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.024	0.9671	0	97.8	70	130	2.42	20	
Toluene	0.95	0.048	0.9671	0	98.5	70	130	1.33	20	
Ethylbenzene	0.99	0.048	0.9671	0	102	70	130	2.55	20	
Xylenes, Total	3.0	0.097	2.901	0	102	70	130	1.97	20	
Surr: 4-Bromofluorobenzene	0.94		0.9671		97.1	39.1	146	0	0	

Sample ID: **lcs-79453**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79453**	RunNo: **101963**
Prep Date: **12/18/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762069** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	70	130			
Toluene	1.0	0.050	1.000	0	101	70	130			
Ethylbenzene	1.0	0.050	1.000	0	103	70	130			
Xylenes, Total	3.1	0.10	3.000	0	104	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.1	39.1	146			

Sample ID: **mb-79453**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79453**	RunNo: **101963**
Prep Date: **12/18/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762070** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.1	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **2312738-028ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BES23-27 2.0'**	Batch ID: **79453**	RunNo: **101963**
Prep Date: **12/18/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762073** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9653	0	106	70	130			
Toluene	1.0	0.048	0.9653	0	108	70	130			
Ethylbenzene	1.1	0.048	0.9653	0	112	70	130			
Xylenes, Total	3.2	0.097	2.896	0	112	70	130			
Surr: 4-Bromofluorobenzene	0.96		0.9653		99.2	39.1	146			

Sample ID: **2312738-028amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BES23-27 2.0'**	Batch ID: **79453**	RunNo: **101963**
Prep Date: **12/18/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762074** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9737	0	104	70	130	1.49	20	
Toluene	1.0	0.049	0.9737	0	105	70	130	2.48	20	
Ethylbenzene	1.0	0.049	0.9737	0	107	70	130	3.24	20	
Xylenes, Total	3.1	0.097	2.921	0	108	70	130	3.25	20	
Surr: 4-Bromofluorobenzene	0.96		0.9737		98.8	39.1	146	0	0	

Sample ID: **lcs-79469**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79469**	RunNo: **101963**
Prep Date: **12/18/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762093** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	99.2	70	130			
Toluene	1.0	0.050	1.000	0	100	70	130			
Ethylbenzene	1.0	0.050	1.000	0	103	70	130			
Xylenes, Total	3.1	0.10	3.000	0	103	70	130			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	39.1	146			

Sample ID: **mb-79469**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79469**	RunNo: **101963**
Prep Date: **12/18/2023**	Analysis Date: **12/19/2023**	SeqNo: **3762094** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.6	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312738**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Margarita Pony Riser

Sample ID: **2312738-053ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **BES23-45 1.0'** Batch ID: **79469** RunNo: **101963**

Prep Date: **12/18/2023** Analysis Date: **12/20/2023** SeqNo: **3762097** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9653	0	104	70	130			
Toluene	1.0	0.048	0.9653	0	105	70	130			
Ethylbenzene	1.0	0.048	0.9653	0	108	70	130			
Xylenes, Total	3.2	0.097	2.896	0	109	70	130			
Surr: 4-Bromofluorobenzene	0.95		0.9653		98.3	39.1	146			

Sample ID: **2312738-053amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **BES23-45 1.0'** Batch ID: **79469** RunNo: **101963**

Prep Date: **12/18/2023** Analysis Date: **12/20/2023** SeqNo: **3762098** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9699	0	106	70	130	2.24	20	
Toluene	1.0	0.048	0.9699	0	108	70	130	3.09	20	
Ethylbenzene	1.1	0.048	0.9699	0	111	70	130	2.87	20	
Xylenes, Total	3.2	0.097	2.910	0	111	70	130	2.69	20	
Surr: 4-Bromofluorobenzene	0.95		0.9699		97.9	39.1	146	0	0	

Sample ID: **lcs-79439** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **79439** RunNo: **101997**

Prep Date: **12/18/2023** Analysis Date: **12/20/2023** SeqNo: **3763636** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	70	130			
Toluene	1.0	0.050	1.000	0	103	70	130			
Ethylbenzene	1.0	0.050	1.000	0	105	70	130			
Xylenes, Total	3.2	0.10	3.000	0	106	70	130			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.9	39.1	146			

Sample ID: **mb-79439** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **79439** RunNo: **101997**

Prep Date: **12/18/2023** Analysis Date: **12/20/2023** SeqNo: **3763637** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Page 136 of 634

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources | Work Order Number: 2312738 | RcptNo: 1

Received By: Tracy Casarrubias 12/13/2023 7:50:00 AM

Completed By: Tracy Casarrubias 12/13/2023 9:14:48 AM

Reviewed By: TM 12/13/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?			

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: TM 12/13/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Mailing address,phone number and Email/Fax are missing on COC-TMC 12/13/23

16. Additional remarks:

Client did not relinquish chain of custody

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	6.0	Good	Yes	Yogi		
2	5.5	Good	Yes	Yogi		

Received by OCD: 11/14/2024 4:51:29 PM

Released to Imaging: 3/4/2025 10:16:12 AM

Chain-of-Custody Record

Client: Select Energy

Direct Bill

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☑ Rush 5 day

Project Name: Margarita Pony Riser

Project #: 23E-04266

Project Manager: Chance Dixon

Sampler: NT

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): See Checklist (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312738	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12-09-23	10:00	Soil	WES23-08 9.0'	4oz	ICE	001										
	10:05		WES23-09 9.0'			002										
	10:10		WES23-10 9.0'													
	10:15		WES23-11 9.0'			003										
	10:20		WES23-12 9.0'													
	10:25		WES23-13 7.0'			004										
	10:30		WES23-14 7.0'			005										
	10:35		WES23-15 5.0'			006										
	10:40		WES23-16 7.0'			007										
	10:45		WES23-17 7.0'			008										
	10:50		WES23-18 7.0'			009										
	10:55		WES23-19 7.0'			010										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					12/12/23	845
12/12/23	1900			Courier	12/13/23	7:50

Remarks: cc: cdixon@vertex.ca
gharris@vertex.ca

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Select Energy

Direct Bill

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☑ Rush 5 DAY

Project Name: Margarita Pony Riser

Project #: 23E-02466

Project Manager: Chance Dixon

Sampler: AH

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): See Checklist (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312738	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12-09-23	11:00	Soil	BES23-10 9.0'	4oz	ICE	011										
	11:05		BES23-11 9.0'			012										
	11:10		BES23-12 7.0'			013										
	11:15		BES23-13 7.0'			014										
	11:20		BES23-14 7.0'			015										
	11:25		BES23-15 7.0'			016										
	11:30		BES23-16 7.0'			017										
	11:35		BES23-17 7.0'			018										
	11:40		BES23-18 7.0'			019										
	11:45		BES23-19 7.0'			020										
	11:50		BES23-20 7.0'			021										
	11:55		BES23-21 7.0'			022										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					12/12/23	845
12/12/23	1900			courier	12/13/23	7:50

Remarks: cc: Cdixon@vertex.ca aharris@vertex.ca

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Select Energy

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 5 Day

Project Name: Margarita Pony Riser

Project #: 23E-02466

Project Manager: Chance Dixon

Sampler: AG

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): See Checklist (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312738	BTEX / MTBE / TMB's (8021)	TPH 8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12-09-23	12:00	Soil	BES23-22 5.0'	4oz	ICE	023										
12-09-23	12:05		BES23-23 7.0'			024										
12-10-23	0900		BES23-24 2.0'			025										
	0910		BES23-25 2.0'			026										
	0920		BES23-26 2.0'			027										
	0930		BES23-27 2.0'			028										
	0940		BES23-28 2.0'			029										
	0950		BES23-29 2.0'			030										
	1000		BES23-30 2.0'			031										
	1010		BES23-31 2.0'			032										
	1020		BES23-32 2.0'			033										
	1030		BES23-33 2.0'			034										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					12/12/23	845
Date: 12/12/23	Time: 1900	Relinquished by:	Received by:	Via: courier	Date 12/13/23	Time 750

Remarks: cc: cdixon@vertex.ca
aharris@vertex.ca

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Select Energy Direct Bill

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 5 DAY

Project Name: Margarita Pony Riser

Project #: 23E-02466

Project Manager: Chance Dixon

Sampler: AT

On Ice: ☑ Yes ☐ No Yogi

# of Coolers: 2

Cooler Temp(including CF): 5.9 +0.1=6.0 (°C)
5.4 +0.1=5.5 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312738	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12-10-23	1040	Soil	BES23-34 3.0'	402	1CE	035										
	1050		BES23-35 6.5'			036										
	1100		WES23-20 2.0'			037										
	~~1110~~		~~WES23-21 2.0'~~													
	1120		WES23-22 2.0'			038										
	1130		WES23-23 2.0'			039										
RUSH	~~1140~~		~~WES23-24 6.5'~~			040										
	1150		WES23-25 6.5'			~~040~~ 041										
	1200		WES23-26 3.0'			~~041~~ 042										
	1210		WES23-27 3.0'			043										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					12/12/23	845
12/12/23	1900			Courier	12/13/23	7:50

Remarks: cc: Cdixon@vertex.ca
charris@vertex.ca

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Select Energy

Direct Bill

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☑ Rush 5 Day

Project Name: Margarita Pony Riser

Project #: 23E-02466

Project Manager: Chance Dixon

Sampler: MT

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(Including CF): See Checklist (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312738	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12-11-23	0900	Soil	BES23-36 9.0'	402	ICE	044										
	0910		BES23-37 7.0'			045										
	0920		BES23-38 7.0'			046										
	0930		BES23-39 7.0'			047										
	0940		BES23-40 7.0'			048										
	0950		BES23-41 7.0'			049										
	1000		BES23-42 2.0'			050										
	1010		BES23-43 2.0'			051										
	1020		BES23-44 1.0'			052										
	1030		BES23-45 1.0'			053										
	1040		BES23-46 2.0'			054										
	1050		BES23-47 2.0'			055										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					12/12/23	845
12/12/23	1900			courier	12/13/23	7:30

Remarks: CC: Cdixon@vertex.ca
aharris@vertex.ca

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Select Energy
Direct Bill

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush 5 Day

Project Name: Margarita Pony Riser

Project #: 23E-02466

Project Manager: Chance Dixon

Sampler: NF

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(Including CF): See Checklist (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312738	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12-11-23	11:00	Soil	BES23-48 1.0'	4oz	ICE	056	✓	✓					✓			
12-11-23	11:10	Soil	BES23-49 1.0'	4oz	ICE	057	✓	✓					✓			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					12/12/23	845
12/12/23	1100			Courier	12/13/23	7:50

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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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 2/21/2024 12:49:00 PM

JOB DESCRIPTION

Pony Riser
23-0105-04

JOB NUMBER

880-39488-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 3/4/2025 10:16:12 AM

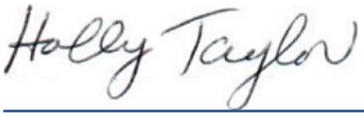
Eurofins Midland

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
2/21/2024 12:49:00 PM

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

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Released to Imaging: 3/4/2025 10:16:12 AM

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project: Pony Riser

Job ID: 880-39488-1 Eurofins Midland

Job Narrative
880-39488-1

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 2/16/2024 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-S0 (880-39488-1), C-S1 (880-39488-2), C-S2 (880-39488-3), C-53 (880-39488-4), C-54 (880-39488-5), C-55 (880-39488-6), C-56 (880-39488-7), C-57 (880-39488-8), C-58 (880-39488-9), C-59 (880-39488-10), C-60 (880-39488-11), C-61 (880-39488-12), C-62 (880-39488-13), C-63 (880-39488-14), C-64 (880-39488-15), C-65 (880-39488-16), C-66 (880-39488-17), C-67 (880-39488-18), C-68 (880-39488-19), C-69 (880-39488-20), C-70 (880-39488-21), C-71 (880-39488-22), C-72 (880-39488-23), C-73 (880-39488-24), C-74 0-2 (880-39488-25), C-75 0-3 (880-39488-26), C-76 0-2 (880-39488-27), C-77 0-2 (880-39488-28) and C-78 O-2 (880-39488-29).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-73334 and analytical batch 880-73252 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-73272/5-A) and (880-39246-A-21-I). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-73629 and analytical batch 880-73610 was outside the control limits.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-73632 and analytical batch 880-73611 recovered outside control limits for the following analytes: m,p-Xylenes. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-39488-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-S1 (880-39488-2) and C-56 (880-39488-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-64 (880-39488-15), C-65 (880-39488-16), C-66 (880-39488-17), C-67 (880-39488-18), C-68 (880-39488-19), C-69 (880-39488-20), C-70 (880-39488-21), C-71 (880-39488-22), C-72 (880-39488-23), C-73 (880-39488-24), C-74 0-2 (880-39488-25), (MB 880-73562/5-A), (880-39535-A-1-E), (880-39535-A-1-C MS) and (880-39535-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-73272/1-A), (LCS 880-73562/1-A), (LCSD 880-73272/2-A), (LCSD 880-73562/2-A), (880-39246-A-21-G MS) and (880-39246-A-21-H MSD). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-73428 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 880-73428/2).

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Released to Imaging: 3/4/2025 10:16:12 AM

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project: Pony Riser

Job ID: 880-39488-1 (Continued) Eurofins Midland

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-73428 recovered above the upper control limit for 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 880-73428/20).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-73428 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 880-73428/33).

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: C-74 0-2 (880-39488-25). 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-61 (880-39488-12), C-65 (880-39488-16), (880-39488-A-1-C MS) and (880-39488-A-1-D 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
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-73333 and analytical batch 880-73437 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.

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-S0 Lab Sample ID: 880-39488-1

Date Collected: 02/15/24 10:15 **Matrix: Solid**
Date Received: 02/16/24 08:30

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		02/20/24 10:08	02/20/24 12:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/20/24 10:08	02/20/24 12:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/20/24 10:08	02/20/24 12:27	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/20/24 10:08	02/20/24 12:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/20/24 10:08	02/20/24 12:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/20/24 10:08	02/20/24 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/20/24 10:08*	*02/20/24 12:27*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/20/24 10:08*	*02/20/24 12:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/20/24 12:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/19/24 10:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		02/16/24 14:25	02/19/24 10:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/16/24 14:25	02/19/24 10:29	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/16/24 14:25	02/19/24 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*02/16/24 14:25*	*02/19/24 10:29*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*02/16/24 14:25*	*02/19/24 10:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**389**		5.00		mg/Kg			02/17/24 04:57	1

Client Sample ID: C-S1 Lab Sample ID: 880-39488-2

Date Collected: 02/15/24 10:17 **Matrix: Solid**
Date Received: 02/16/24 08:30

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		02/20/24 10:08	02/20/24 12:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:08	02/20/24 12:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:08	02/20/24 12:48	1
m,p-Xylenes	<0.00396	U *+	0.00396		mg/Kg		02/20/24 10:08	02/20/24 12:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:08	02/20/24 12:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/20/24 10:08	02/20/24 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*02/20/24 10:08*	*02/20/24 12:48*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/20/24 10:08*	*02/20/24 12:48*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-S1

Date Collected: 02/15/24 10:17
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/20/24 12:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/19/24 11:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		02/16/24 14:25	02/19/24 11:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/16/24 14:25	02/19/24 11:37	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/16/24 14:25	02/19/24 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*02/16/24 14:25*	*02/19/24 11:37*	*1*
o-Terphenyl (Surr)	*79*		*70 - 130*	*02/16/24 14:25*	*02/19/24 11:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**570**		5.03		mg/Kg			02/17/24 05:11	1

Client Sample ID: C-S2

Date Collected: 02/15/24 10:19
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/20/24 10:08	02/20/24 13:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/20/24 10:08	02/20/24 13:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/20/24 10:08	02/20/24 13:08	1
m,p-Xylenes	<0.00404	U *+	0.00404		mg/Kg		02/20/24 10:08	02/20/24 13:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/20/24 10:08	02/20/24 13:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/20/24 10:08	02/20/24 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/20/24 10:08*	*02/20/24 13:08*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/20/24 10:08*	*02/20/24 13:08*	*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			02/20/24 13:08	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			02/19/24 12:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.3	U	50.3		mg/Kg		02/16/24 14:25	02/19/24 12:00	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/16/24 14:25	02/19/24 12:00	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/16/24 14:25	02/19/24 12:00	1

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-S2 Lab Sample ID: 880-39488-3

Date Collected: 02/15/24 10:19 **Matrix: Solid**
Date Received: 02/16/24 08:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*110*		*70 - 130*	*02/16/24 14:25*	*02/19/24 12:00*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*02/16/24 14:25*	*02/19/24 12:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2580**		25.2		mg/Kg			02/17/24 05:16	5

Client Sample ID: C-53 Lab Sample ID: 880-39488-4

Date Collected: 02/15/24 10:24 **Matrix: Solid**
Date Received: 02/16/24 08:30

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		02/20/24 10:08	02/20/24 13:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/20/24 10:08	02/20/24 13:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/20/24 10:08	02/20/24 13:29	1
m,p-Xylenes	<0.00402	U *+	0.00402		mg/Kg		02/20/24 10:08	02/20/24 13:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/20/24 10:08	02/20/24 13:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/20/24 10:08	02/20/24 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/20/24 10:08*	*02/20/24 13:29*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/20/24 10:08*	*02/20/24 13:29*	*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			02/20/24 13:29	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			02/19/24 12:22	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		02/16/24 14:25	02/19/24 12:22	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/16/24 14:25	02/19/24 12:22	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/16/24 14:25	02/19/24 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*94*		*70 - 130*	*02/16/24 14:25*	*02/19/24 12:22*	*1*
o-Terphenyl (Surr)	*79*		*70 - 130*	*02/16/24 14:25*	*02/19/24 12:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2110**		25.2		mg/Kg			02/17/24 05:21	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-54

Date Collected: 02/15/24 10:26
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/20/24 10:08	02/20/24 13:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/20/24 10:08	02/20/24 13:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/20/24 10:08	02/20/24 13:50	1
m,p-Xylenes	<0.00403	U *+	0.00403		mg/Kg		02/20/24 10:08	02/20/24 13:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/20/24 10:08	02/20/24 13:50	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/20/24 10:08	02/20/24 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/20/24 10:08*	*02/20/24 13:50*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/20/24 10:08*	*02/20/24 13:50*	*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			02/20/24 13:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/19/24 12:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		02/16/24 14:25	02/19/24 12:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/16/24 14:25	02/19/24 12:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/16/24 14:25	02/19/24 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*117*		*70 - 130*	*02/16/24 14:25*	*02/19/24 12:44*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*02/16/24 14:25*	*02/19/24 12:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3900**		25.0		mg/Kg			02/17/24 05:25	5

Client Sample ID: C-55

Date Collected: 02/15/24 10:34
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-6
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		02/20/24 10:08	02/20/24 14:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:08	02/20/24 14:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:08	02/20/24 14:10	1
m,p-Xylenes	<0.00397	U *+	0.00397		mg/Kg		02/20/24 10:08	02/20/24 14:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:08	02/20/24 14:10	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/20/24 10:08	02/20/24 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*02/20/24 10:08*	*02/20/24 14:10*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/20/24 10:08*	*02/20/24 14:10*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-55 Lab Sample ID: 880-39488-6
Date Collected: 02/15/24 10:34 **Matrix: Solid**
Date Received: 02/16/24 08:30

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			02/20/24 14:10	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			02/19/24 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)	<49.8	U	49.8		mg/Kg		02/16/24 14:25	02/19/24 13:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/16/24 14:25	02/19/24 13:07	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/16/24 14:25	02/19/24 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*02/16/24 14:25*	*02/19/24 13:07*	*1*
o-Terphenyl (Surr)	*74*		*70 - 130*	*02/16/24 14:25*	*02/19/24 13:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2760**		24.8		mg/Kg			02/17/24 05:30	5

Client Sample ID: C-56 Lab Sample ID: 880-39488-7
Date Collected: 02/15/24 10:36 **Matrix: Solid**
Date Received: 02/16/24 08:30

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		02/20/24 10:08	02/20/24 14:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:08	02/20/24 14:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:08	02/20/24 14:31	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/20/24 10:08	02/20/24 14:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:08	02/20/24 14:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/20/24 10:08	02/20/24 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/20/24 10:08*	*02/20/24 14:31*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/20/24 10:08*	*02/20/24 14:31*	*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			02/20/24 14:31	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			02/19/24 13:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.1	U	50.1		mg/Kg		02/16/24 14:25	02/19/24 13:30	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/16/24 14:25	02/19/24 13:30	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/16/24 14:25	02/19/24 13:30	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-56 Lab Sample ID: 880-39488-7

Date Collected: 02/15/24 10:36 **Matrix: Solid**
Date Received: 02/16/24 08:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*110*		*70 - 130*	*02/16/24 14:25*	*02/19/24 13:30*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*02/16/24 14:25*	*02/19/24 13:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3200**		25.1	mg/Kg			02/17/24 05:34	5

Client Sample ID: C-57 Lab Sample ID: 880-39488-8

Date Collected: 02/15/24 10:52 **Matrix: Solid**
Date Received: 02/16/24 08:30

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		02/20/24 10:08	02/20/24 14:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/20/24 10:08	02/20/24 14:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/20/24 10:08	02/20/24 14:52	1
m,p-Xylenes	<0.00398	U *+	0.00398	mg/Kg		02/20/24 10:08	02/20/24 14:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/20/24 10:08	02/20/24 14:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/20/24 10:08	02/20/24 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*02/20/24 10:08*	*02/20/24 14:52*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/20/24 10:08*	*02/20/24 14:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/20/24 14:52	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			02/19/24 13:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.2	U	50.2	mg/Kg		02/16/24 14:25	02/19/24 13:53	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		02/16/24 14:25	02/19/24 13:53	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		02/16/24 14:25	02/19/24 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*97*		*70 - 130*	*02/16/24 14:25*	*02/19/24 13:53*	*1*
o-Terphenyl (Surr)	*81*		*70 - 130*	*02/16/24 14:25*	*02/19/24 13:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3600**		25.3	mg/Kg			02/17/24 05:48	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-58

Date Collected: 02/15/24 10:57
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:08	02/20/24 15:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:08	02/20/24 15:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:08	02/20/24 15:13	1
m,p-Xylenes	<0.00396	U *+	0.00396		mg/Kg		02/20/24 10:08	02/20/24 15:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:08	02/20/24 15:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/20/24 10:08	02/20/24 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*02/20/24 10:08*	*02/20/24 15:13*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/20/24 10:08*	*02/20/24 15:13*	*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			02/20/24 15:13	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			02/19/24 14:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.4	U	50.4		mg/Kg		02/16/24 14:25	02/19/24 14:16	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/16/24 14:25	02/19/24 14:16	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/16/24 14:25	02/19/24 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*97*		*70 - 130*	*02/16/24 14:25*	*02/19/24 14:16*	*1*
o-Terphenyl (Surr)	*80*		*70 - 130*	*02/16/24 14:25*	*02/19/24 14:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4410**		25.0		mg/Kg			02/17/24 05:53	5

Client Sample ID: C-59

Date Collected: 02/15/24 10:59
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/20/24 10:08	02/20/24 15:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/20/24 10:08	02/20/24 15:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/20/24 10:08	02/20/24 15:33	1
m,p-Xylenes	<0.00403	U *+	0.00403		mg/Kg		02/20/24 10:08	02/20/24 15:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/20/24 10:08	02/20/24 15:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/20/24 10:08	02/20/24 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/20/24 10:08*	*02/20/24 15:33*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/20/24 10:08*	*02/20/24 15:33*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-59

Date Collected: 02/15/24 10:59
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-10

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/20/24 15:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.3**		49.9		mg/Kg			02/19/24 14:39	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		02/16/24 14:25	02/19/24 14:39	1
Diesel Range Organics (Over C10-C28)	**50.3**		49.9		mg/Kg		02/16/24 14:25	02/19/24 14:39	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/16/24 14:25	02/19/24 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*02/16/24 14:25*	*02/19/24 14:39*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*02/16/24 14:25*	*02/19/24 14:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6170**		49.8		mg/Kg			02/17/24 06:07	10

Client Sample ID: C-60

Date Collected: 02/15/24 11:00
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-11

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		02/20/24 10:08	02/20/24 17:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:08	02/20/24 17:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:08	02/20/24 17:24	1
m,p-Xylenes	<0.00401	U *+	0.00401		mg/Kg		02/20/24 10:08	02/20/24 17:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:08	02/20/24 17:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/20/24 10:08	02/20/24 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/20/24 10:08*	*02/20/24 17:24*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/20/24 10:08*	*02/20/24 17:24*	*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			02/20/24 17:24	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			02/19/24 15:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		02/16/24 14:25	02/19/24 15:28	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/16/24 14:25	02/19/24 15:28	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/16/24 14:25	02/19/24 15:28	1

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-60 Lab Sample ID: 880-39488-11

Date Collected: 02/15/24 11:00 **Matrix: Solid**
Date Received: 02/16/24 08:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*98*		*70 - 130*	*02/16/24 14:25*	*02/19/24 15:28*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*02/16/24 14:25*	*02/19/24 15:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2670**		25.2		mg/Kg			02/17/24 06:12	5

Client Sample ID: C-61 Lab Sample ID: 880-39488-12

Date Collected: 02/15/24 11:15 **Matrix: Solid**
Date Received: 02/16/24 08:30

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		02/20/24 10:08	02/20/24 17:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/20/24 10:08	02/20/24 17:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/20/24 10:08	02/20/24 17:45	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/20/24 10:08	02/20/24 17:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/20/24 10:08	02/20/24 17:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/20/24 10:08	02/20/24 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/20/24 10:08*	*02/20/24 17:45*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/20/24 10:08*	*02/20/24 17:45*	*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			02/20/24 17:45	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			02/19/24 15:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.6	U	49.6		mg/Kg		02/16/24 14:25	02/19/24 15:51	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/16/24 14:25	02/19/24 15:51	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/16/24 14:25	02/19/24 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*79*		*70 - 130*	*02/16/24 14:25*	*02/19/24 15:51*	*1*
o-Terphenyl (Surr)	*67*	*S1-*	*70 - 130*	*02/16/24 14:25*	*02/19/24 15:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2770**		25.0		mg/Kg			02/17/24 06:16	5

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-62 Lab Sample ID: 880-39488-13

Date Collected: 02/15/24 11:24 **Matrix: Solid**
Date Received: 02/16/24 08:30

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		02/20/24 10:08	02/20/24 18:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/20/24 10:08	02/20/24 18:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/20/24 10:08	02/20/24 18:06	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/20/24 10:08	02/20/24 18:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/20/24 10:08	02/20/24 18:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/20/24 10:08	02/20/24 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/20/24 10:08*	*02/20/24 18:06*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/20/24 10:08*	*02/20/24 18:06*	*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			02/20/24 18:06	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			02/19/24 16:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.3	U	50.3		mg/Kg		02/16/24 14:25	02/19/24 16:25	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/16/24 14:25	02/19/24 16:25	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/16/24 14:25	02/19/24 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*02/16/24 14:25*	*02/19/24 16:25*	*1*
o-Terphenyl (Surr)	*83*		*70 - 130*	*02/16/24 14:25*	*02/19/24 16:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6360**		49.9		mg/Kg			02/17/24 06:21	10

Client Sample ID: C-63 Lab Sample ID: 880-39488-14

Date Collected: 02/15/24 11:26 **Matrix: Solid**
Date Received: 02/16/24 08:30

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		02/20/24 10:04	02/20/24 14:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:04	02/20/24 14:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:04	02/20/24 14:19	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/20/24 10:04	02/20/24 14:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/20/24 10:04	02/20/24 14:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/20/24 10:04	02/20/24 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*02/20/24 10:04*	*02/20/24 14:19*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/20/24 10:04*	*02/20/24 14:19*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-63

Date Collected: 02/15/24 11:26
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/20/24 14:19	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			02/19/24 16:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.4	U	50.4		mg/Kg		02/16/24 14:25	02/19/24 16:49	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/16/24 14:25	02/19/24 16:49	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/16/24 14:25	02/19/24 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*02/16/24 14:25*	*02/19/24 16:49*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*02/16/24 14:25*	*02/19/24 16:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3460**		25.1		mg/Kg			02/17/24 06:25	5

Client Sample ID: C-64

Date Collected: 02/15/24 11:28
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200		mg/Kg		02/19/24 15:57	02/20/24 05:52	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		02/19/24 15:57	02/20/24 05:52	1
Ethylbenzene	<0.00200	U *+ *1	0.00200		mg/Kg		02/19/24 15:57	02/20/24 05:52	1
m,p-Xylenes	<0.00400	U *+	0.00400		mg/Kg		02/19/24 15:57	02/20/24 05:52	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/19/24 15:57	02/20/24 05:52	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		02/19/24 15:57	02/20/24 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*199*	*S1+*	*70 - 130*	*02/19/24 15:57*	*02/20/24 05:52*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/19/24 15:57*	*02/20/24 05:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/20/24 05:52	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			02/19/24 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.3	U	50.3		mg/Kg		02/16/24 14:25	02/19/24 17:12	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/16/24 14:25	02/19/24 17:12	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/16/24 14:25	02/19/24 17:12	1

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-64 Lab Sample ID: 880-39488-15

Date Collected: 02/15/24 11:28 **Matrix: Solid**
Date Received: 02/16/24 08:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*94*		*70 - 130*	*02/16/24 14:25*	*02/19/24 17:12*	*1*
o-Terphenyl (Surr)	*78*		*70 - 130*	*02/16/24 14:25*	*02/19/24 17:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3830**		25.3		mg/Kg			02/17/24 06:30	5

Client Sample ID: C-65 Lab Sample ID: 880-39488-16

Date Collected: 02/15/24 11:34 **Matrix: Solid**
Date Received: 02/16/24 08:30

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *1	0.00198		mg/Kg		02/19/24 15:57	02/20/24 07:38	1
Toluene	<0.00198	U *- *1	0.00198		mg/Kg		02/19/24 15:57	02/20/24 07:38	1
Ethylbenzene	<0.00198	U *+ *1	0.00198		mg/Kg		02/19/24 15:57	02/20/24 07:38	1
m,p-Xylenes	<0.00396	U *+	0.00396		mg/Kg		02/19/24 15:57	02/20/24 07:38	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		02/19/24 15:57	02/20/24 07:38	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		02/19/24 15:57	02/20/24 07:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*249*	*S1+*	*70 - 130*	*02/19/24 15:57*	*02/20/24 07:38*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/19/24 15:57*	*02/20/24 07:38*	*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			02/20/24 07:38	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			02/19/24 17:35	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.1	U	50.1		mg/Kg		02/16/24 14:25	02/19/24 17:35	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/16/24 14:25	02/19/24 17:35	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/16/24 14:25	02/19/24 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*70*		*70 - 130*	*02/16/24 14:25*	*02/19/24 17:35*	*1*
o-Terphenyl (Surr)	*55*	*S1-*	*70 - 130*	*02/16/24 14:25*	*02/19/24 17:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.0**		4.97		mg/Kg			02/17/24 06:35	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-66

Date Collected: 02/15/24 11:40
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		02/19/24 15:57	02/20/24 08:04	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		02/19/24 15:57	02/20/24 08:04	1
Ethylbenzene	<0.00201	U *+ *1	0.00201		mg/Kg		02/19/24 15:57	02/20/24 08:04	1
m,p-Xylenes	<0.00402	U *+	0.00402		mg/Kg		02/19/24 15:57	02/20/24 08:04	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/19/24 15:57	02/20/24 08:04	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/19/24 15:57	02/20/24 08:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*272*	*S1+*	*70 - 130*	*02/19/24 15:57*	*02/20/24 08:04*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/19/24 15:57*	*02/20/24 08:04*	*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			02/20/24 08:04	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			02/19/24 17:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.4	U	50.4		mg/Kg		02/16/24 14:25	02/19/24 17:58	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/16/24 14:25	02/19/24 17:58	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/16/24 14:25	02/19/24 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*02/16/24 14:25*	*02/19/24 17:58*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*02/16/24 14:25*	*02/19/24 17:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2460**		25.0		mg/Kg			02/17/24 07:12	5

Client Sample ID: C-67

Date Collected: 02/15/24 11:43
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *1	0.00202		mg/Kg		02/19/24 15:57	02/20/24 08:30	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		02/19/24 15:57	02/20/24 08:30	1
Ethylbenzene	<0.00202	U *+ *1	0.00202		mg/Kg		02/19/24 15:57	02/20/24 08:30	1
m,p-Xylenes	<0.00404	U *+	0.00404		mg/Kg		02/19/24 15:57	02/20/24 08:30	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		02/19/24 15:57	02/20/24 08:30	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		02/19/24 15:57	02/20/24 08:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*283*	*S1+*	*70 - 130*	*02/19/24 15:57*	*02/20/24 08:30*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/19/24 15:57*	*02/20/24 08:30*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-67

Date Collected: 02/15/24 11:43
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-18
Matrix: Solid

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			02/20/24 08:30	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			02/19/24 18:22	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.5	U	50.5		mg/Kg		02/16/24 14:25	02/19/24 18:22	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/16/24 14:25	02/19/24 18:22	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/16/24 14:25	02/19/24 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*02/16/24 14:25*	*02/19/24 18:22*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*02/16/24 14:25*	*02/19/24 18:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4300**		25.0		mg/Kg			02/17/24 07:26	5

Client Sample ID: C-68

Date Collected: 02/15/24 11:49
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200		mg/Kg		02/19/24 15:57	02/20/24 08:57	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		02/19/24 15:57	02/20/24 08:57	1
Ethylbenzene	<0.00200	U *+ *1	0.00200		mg/Kg		02/19/24 15:57	02/20/24 08:57	1
m,p-Xylenes	<0.00401	U *+	0.00401		mg/Kg		02/19/24 15:57	02/20/24 08:57	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/19/24 15:57	02/20/24 08:57	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/19/24 15:57	02/20/24 08:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*246*	*S1+*	*70 - 130*	*02/19/24 15:57*	*02/20/24 08:57*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/19/24 15:57*	*02/20/24 08:57*	*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			02/20/24 08:57	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			02/19/24 18:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.8	U	49.8		mg/Kg		02/16/24 14:25	02/19/24 18:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/16/24 14:25	02/19/24 18:45	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/16/24 14:25	02/19/24 18:45	1

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-68 Lab Sample ID: 880-39488-19

Date Collected: 02/15/24 11:49 **Matrix: Solid**
Date Received: 02/16/24 08:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*104*		*70 - 130*	*02/16/24 14:25*	*02/19/24 18:45*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*02/16/24 14:25*	*02/19/24 18:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3020**		24.8		mg/Kg			02/17/24 07:30	5

Client Sample ID: C-69 Lab Sample ID: 880-39488-20

Date Collected: 02/15/24 12:00 **Matrix: Solid**
Date Received: 02/16/24 08:30

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200		mg/Kg		02/19/24 15:57	02/20/24 09:23	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		02/19/24 15:57	02/20/24 09:23	1
Ethylbenzene	<0.00200	U *+ *1	0.00200		mg/Kg		02/19/24 15:57	02/20/24 09:23	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/19/24 15:57	02/20/24 09:23	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/19/24 15:57	02/20/24 09:23	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/19/24 15:57	02/20/24 09:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*291*	*S1+*	*70 - 130*	*02/19/24 15:57*	*02/20/24 09:23*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/19/24 15:57*	*02/20/24 09:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/20/24 09:23	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			02/19/24 19:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.8	U	49.8		mg/Kg		02/16/24 14:25	02/19/24 19:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/16/24 14:25	02/19/24 19:08	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/16/24 14:25	02/19/24 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*91*		*70 - 130*	*02/16/24 14:25*	*02/19/24 19:08*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*02/16/24 14:25*	*02/19/24 19:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1630**		24.9		mg/Kg			02/17/24 07:35	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-70

Lab Sample ID: 880-39488-21
Matrix: Solid
Date Collected: 02/15/24 12:10
Date Received: 02/16/24 08:30

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199		mg/Kg		02/19/24 15:57	02/20/24 09:50	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		02/19/24 15:57	02/20/24 09:50	1
Ethylbenzene	<0.00199	U *+ *1	0.00199		mg/Kg		02/19/24 15:57	02/20/24 09:50	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/19/24 15:57	02/20/24 09:50	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/19/24 15:57	02/20/24 09:50	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/19/24 15:57	02/20/24 09:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*355*	*S1+*	*70 - 130*	*02/19/24 15:57*	*02/20/24 09:50*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*02/19/24 15:57*	*02/20/24 09:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/20/24 09:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/18/24 20:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		02/16/24 14:56	02/18/24 20:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/16/24 14:56	02/18/24 20:25	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/16/24 14:56	02/18/24 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*02/16/24 14:56*	*02/18/24 20:25*	*1*
o-Terphenyl (Surr)	*81*		*70 - 130*	*02/16/24 14:56*	*02/18/24 20:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1700**		24.8		mg/Kg			02/17/24 07:40	5

Client Sample ID: C-71

Lab Sample ID: 880-39488-22
Matrix: Solid
Date Collected: 02/15/24 12:12
Date Received: 02/16/24 08:30

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		02/19/24 15:57	02/20/24 10:17	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		02/19/24 15:57	02/20/24 10:17	1
Ethylbenzene	<0.00201	U *+ *1	0.00201		mg/Kg		02/19/24 15:57	02/20/24 10:17	1
m,p-Xylenes	<0.00402	U *+	0.00402		mg/Kg		02/19/24 15:57	02/20/24 10:17	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/19/24 15:57	02/20/24 10:17	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/19/24 15:57	02/20/24 10:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*330*	*S1+*	*70 - 130*	*02/19/24 15:57*	*02/20/24 10:17*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/19/24 15:57*	*02/20/24 10:17*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-71

Date Collected: 02/15/24 12:12
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/20/24 10:17	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			02/18/24 21:34	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.5	U	50.5		mg/Kg		02/16/24 14:56	02/18/24 21:34	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/16/24 14:56	02/18/24 21:34	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/16/24 14:56	02/18/24 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*02/16/24 14:56*	*02/18/24 21:34*	*1*
o-Terphenyl (Surr)	*82*		*70 - 130*	*02/16/24 14:56*	*02/18/24 21:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1060**		5.01		mg/Kg			02/17/24 07:53	1

Client Sample ID: C-72

Date Collected: 02/15/24 12:14
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *1	0.00198		mg/Kg		02/19/24 15:57	02/20/24 10:43	1
Toluene	<0.00198	U *- *1	0.00198		mg/Kg		02/19/24 15:57	02/20/24 10:43	1
Ethylbenzene	<0.00198	U *+ *1	0.00198		mg/Kg		02/19/24 15:57	02/20/24 10:43	1
m,p-Xylenes	<0.00397	U *+	0.00397		mg/Kg		02/19/24 15:57	02/20/24 10:43	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		02/19/24 15:57	02/20/24 10:43	1
Xylenes, Total	<0.00397	U *+	0.00397		mg/Kg		02/19/24 15:57	02/20/24 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*212*	*S1+*	*70 - 130*	*02/19/24 15:57*	*02/20/24 10:43*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/19/24 15:57*	*02/20/24 10:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/20/24 10:43	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			02/18/24 21:57	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		02/16/24 14:56	02/18/24 21:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/16/24 14:56	02/18/24 21:57	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/16/24 14:56	02/18/24 21:57	1

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-72
Date Collected: 02/15/24 12:14
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-23
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*02/16/24 14:56*	*02/18/24 21:57*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*02/16/24 14:56*	*02/18/24 21:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1720**		25.2		mg/Kg			02/17/24 07:58	5

Client Sample ID: C-73
Date Collected: 02/15/24 12:16
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-24
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		02/19/24 15:57	02/20/24 11:10	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		02/19/24 15:57	02/20/24 11:10	1
Ethylbenzene	<0.00201	U *+ *1	0.00201		mg/Kg		02/19/24 15:57	02/20/24 11:10	1
m,p-Xylenes	<0.00402	U *+	0.00402		mg/Kg		02/19/24 15:57	02/20/24 11:10	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/19/24 15:57	02/20/24 11:10	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/19/24 15:57	02/20/24 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*213*	*S1+*	*70 - 130*	*02/19/24 15:57*	*02/20/24 11:10*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/19/24 15:57*	*02/20/24 11:10*	*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			02/20/24 11:10	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/24 22:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		02/16/24 14:56	02/18/24 22:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/16/24 14:56	02/18/24 22:20	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/16/24 14:56	02/18/24 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*02/16/24 14:56*	*02/18/24 22:20*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*02/16/24 14:56*	*02/18/24 22:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**358**		5.02		mg/Kg			02/17/24 08:03	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-74 0-2

Date Collected: 02/15/24 12:38
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-25

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *1	0.00202		mg/Kg		02/19/24 15:57	02/20/24 11:37	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		02/19/24 15:57	02/20/24 11:37	1
Ethylbenzene	<0.00202	U *+ *1	0.00202		mg/Kg		02/19/24 15:57	02/20/24 11:37	1
m,p-Xylenes	<0.00403	U *+	0.00403		mg/Kg		02/19/24 15:57	02/20/24 11:37	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		02/19/24 15:57	02/20/24 11:37	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		02/19/24 15:57	02/20/24 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*313*	*S1+*	*70 - 130*	*02/19/24 15:57*	*02/20/24 11:37*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/19/24 15:57*	*02/20/24 11:37*	*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			02/20/24 11:37	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			02/18/24 22:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.8	U	49.8		mg/Kg		02/16/24 14:56	02/18/24 22:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/16/24 14:56	02/18/24 22:43	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/16/24 14:56	02/18/24 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*02/16/24 14:56*	*02/18/24 22:43*	*1*
o-Terphenyl (Surr)	*65*	*S1-*	*70 - 130*	*02/16/24 14:56*	*02/18/24 22:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2020**		24.9		mg/Kg			02/17/24 08:07	5

Client Sample ID: C-75 0-3

Date Collected: 02/15/24 12:42
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-26

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		02/16/24 10:47	02/17/24 01:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/16/24 10:47	02/17/24 01:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/16/24 10:47	02/17/24 01:38	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/16/24 10:47	02/17/24 01:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/16/24 10:47	02/17/24 01:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/16/24 10:47	02/17/24 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/16/24 10:47*	*02/17/24 01:38*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/16/24 10:47*	*02/17/24 01:38*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-75 0-3

Date Collected: 02/15/24 12:42
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-26

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/17/24 01:38	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			02/18/24 23:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		02/16/24 14:56	02/18/24 23:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/16/24 14:56	02/18/24 23:06	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/16/24 14:56	02/18/24 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*02/16/24 14:56*	*02/18/24 23:06*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*02/16/24 14:56*	*02/18/24 23:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.8**		5.03		mg/Kg			02/17/24 08:12	1

Client Sample ID: C-76 0-2

Date Collected: 02/15/24 12:50
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-27

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/16/24 10:47	02/17/24 01:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/16/24 10:47	02/17/24 01:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/16/24 10:47	02/17/24 01:59	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/16/24 10:47	02/17/24 01:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/16/24 10:47	02/17/24 01:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/16/24 10:47	02/17/24 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*02/16/24 10:47*	*02/17/24 01:59*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/16/24 10:47*	*02/17/24 01:59*	*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			02/17/24 01:59	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			02/18/24 23:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.1	U	50.1		mg/Kg		02/16/24 14:56	02/18/24 23:29	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/16/24 14:56	02/18/24 23:29	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/16/24 14:56	02/18/24 23:29	1

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-76 0-2 — Lab Sample ID: 880-39488-27

Date Collected: 02/15/24 12:50 **Matrix: Solid**
Date Received: 02/16/24 08:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*92*		*70 - 130*	*02/16/24 14:56*	*02/18/24 23:29*	*1*
o-Terphenyl (Surr)	*76*		*70 - 130*	*02/16/24 14:56*	*02/18/24 23:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**913**	**F1**	5.01	mg/Kg			02/17/24 08:17	1

Client Sample ID: C-77 0-2 — Lab Sample ID: 880-39488-28

Date Collected: 02/15/24 12:56 **Matrix: Solid**
Date Received: 02/16/24 08:30

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		02/16/24 10:47	02/17/24 02:19	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/16/24 10:47	02/17/24 02:19	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/16/24 10:47	02/17/24 02:19	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		02/16/24 10:47	02/17/24 02:19	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/16/24 10:47	02/17/24 02:19	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		02/16/24 10:47	02/17/24 02:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/16/24 10:47*	*02/17/24 02:19*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/16/24 10:47*	*02/17/24 02:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			02/17/24 02:19	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			02/18/24 23:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.4	U	50.4	mg/Kg		02/16/24 14:56	02/18/24 23:53	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		02/16/24 14:56	02/18/24 23:53	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		02/16/24 14:56	02/18/24 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*105*		*70 - 130*	*02/16/24 14:56*	*02/18/24 23:53*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*02/16/24 14:56*	*02/18/24 23:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**		4.98	mg/Kg			02/17/24 08:31	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-78 O-2

Date Collected: 02/15/24 12:58
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-29

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/16/24 10:47	02/17/24 02:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/16/24 10:47	02/17/24 02:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/16/24 10:47	02/17/24 02:40	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/16/24 10:47	02/17/24 02:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/16/24 10:47	02/17/24 02:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/16/24 10:47	02/17/24 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*02/16/24 10:47*	*02/17/24 02:40*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/16/24 10:47*	*02/17/24 02:40*	*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			02/17/24 02:40	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			02/19/24 00:17	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.5	U	50.5		mg/Kg		02/16/24 14:56	02/19/24 00:17	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/16/24 14:56	02/19/24 00:17	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/16/24 14:56	02/19/24 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*02/16/24 14:56*	*02/19/24 00:17*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*02/16/24 14:56*	*02/19/24 00:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**440**		4.95		mg/Kg			02/17/24 08:35	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-39488-1	C-S0	98	99										
880-39488-1 MS	C-S0	121	93										
880-39488-1 MSD	C-S0	143 S1+	97										
880-39488-2	C-S1	132 S1+	103										
880-39488-3	C-S2	119	100										
880-39488-4	C-53	116	98										
880-39488-5	C-54	107	100										
880-39488-6	C-55	123	101										
880-39488-7	C-56	131 S1+	104										
880-39488-8	C-57	122	99										
880-39488-9	C-58	127	104										
880-39488-10	C-59	124	98										
880-39488-11	C-60	105	96										
880-39488-12	C-61	124	101										
880-39488-13	C-62	124	103										
880-39488-14	C-63	72	102										
880-39488-15	C-64	199 S1+	84										
880-39488-16	C-65	249 S1+	102										
880-39488-17	C-66	272 S1+	101										
880-39488-18	C-67	283 S1+	106										
880-39488-19	C-68	246 S1+	91										
880-39488-20	C-69	291 S1+	78										
880-39488-21	C-70	355 S1+	121										
880-39488-22	C-71	330 S1+	106										
880-39488-23	C-72	212 S1+	78										
880-39488-24	C-73	213 S1+	93										
880-39488-25	C-74 0-2	313 S1+	105										
880-39488-26	C-75 0-3	116	104										
880-39488-27	C-76 0-2	118	97										
880-39488-28	C-77 0-2	112	97										
880-39488-29	C-78 O-2	114	96										
LCS 880-73334/1-A	Lab Control Sample	108	98										
LCS 880-73562/1-A	Lab Control Sample	160 S1+	72										
LCS 880-73629/1-A	Lab Control Sample	99	124										
LCS 880-73632/1-A	Lab Control Sample	101	94										
LCSD 880-73334/2-A	Lab Control Sample Dup	108	99										
LCSD 880-73562/2-A	Lab Control Sample Dup	200 S1+	81										
LCSD 880-73629/2-A	Lab Control Sample Dup	104	114										
LCSD 880-73632/2-A	Lab Control Sample Dup	122	102										
MB 880-73179/5-A	Method Blank	128	121										
MB 880-73272/5-A	Method Blank	152 S1+	83										
MB 880-73334/5-A	Method Blank	145 S1+	140 S1+										
MB 880-73562/5-A	Method Blank	195 S1+	122										
MB 880-73629/5-A	Method Blank	67 S1-	102										
MB 880-73632/5-A	Method Blank	125	107										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-39488-1	C-S0	107	88										
880-39488-1 MS	C-S0	90	66 S1-										
880-39488-1 MSD	C-S0	82	61 S1-										
880-39488-2	C-S1	92	79										
880-39488-3	C-S2	110	92										
880-39488-4	C-53	94	79										
880-39488-5	C-54	117	97										
880-39488-6	C-55	88	74										
880-39488-7	C-56	110	92										
880-39488-8	C-57	97	81										
880-39488-9	C-58	97	80										
880-39488-10	C-59	107	88										
880-39488-11	C-60	98	77										
880-39488-12	C-61	79	67 S1-										
880-39488-13	C-62	98	83										
880-39488-14	C-63	107	89										
880-39488-15	C-64	94	78										
880-39488-16	C-65	70	55 S1-										
880-39488-17	C-66	89	71										
880-39488-18	C-67	91	77										
880-39488-19	C-68	104	87										
880-39488-20	C-69	91	75										
880-39488-21	C-70	98	81										
880-39488-21 MS	C-70	103	80										
880-39488-21 MSD	C-70	96	70										
880-39488-22	C-71	102	82										
880-39488-23	C-72	101	84										
880-39488-24	C-73	88	71										
880-39488-25	C-74 0-2	80	65 S1-										
880-39488-26	C-75 0-3	106	87										
880-39488-27	C-76 0-2	92	76										
880-39488-28	C-77 0-2	105	85										
880-39488-29	C-78 O-2	105	85										
LCS 880-73391/2-A	Lab Control Sample	97	100										
LCS 880-73393/2-A	Lab Control Sample	103	105										
LCSD 880-73391/3-A	Lab Control Sample Dup	100	96										
LCSD 880-73393/3-A	Lab Control Sample Dup	102	96										
MB 880-73391/1-A	Method Blank	129	112										
MB 880-73393/1-A	Method Blank	127	108										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73179/5-A
Matrix: Solid
Analysis Batch: 73252

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73179

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/24 15:25	02/16/24 03:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/24 15:25	02/16/24 03:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/14/24 15:25	02/16/24 03:55	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/14/24 15:25	02/16/24 03:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/14/24 15:25	02/16/24 03:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/14/24 15:25	02/16/24 03:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*02/14/24 15:25*	*02/16/24 03:55*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*02/14/24 15:25*	*02/16/24 03:55*	*1*

Lab Sample ID: MB 880-73272/5-A
Matrix: Solid
Analysis Batch: 73428

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73272

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 14:55	02/19/24 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 14:55	02/19/24 11:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 14:55	02/19/24 11:50	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/15/24 14:55	02/19/24 11:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 14:55	02/19/24 11:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 14:55	02/19/24 11:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*02/15/24 14:55*	*02/19/24 11:50*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*02/15/24 14:55*	*02/19/24 11:50*	*1*

Lab Sample ID: MB 880-73334/5-A
Matrix: Solid
Analysis Batch: 73252

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73334

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/24 10:47	02/16/24 18:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/24 10:47	02/16/24 18:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/24 10:47	02/16/24 18:13	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/16/24 10:47	02/16/24 18:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/24 10:47	02/16/24 18:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/24 10:47	02/16/24 18:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*02/16/24 10:47*	*02/16/24 18:13*	*1*
1,4-Difluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*02/16/24 10:47*	*02/16/24 18:13*	*1*

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

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

Lab Sample ID: LCS 880-73334/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 73252 **Prep Batch: 73334**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09948		mg/Kg		99	70 - 130		
Toluene			0.100	0.09778		mg/Kg		98	70 - 130		
Ethylbenzene			0.100	0.1042		mg/Kg		104	70 - 130		
m,p-Xylenes			0.200	0.2148		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1043		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-73334/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 73252 **Prep Batch: 73334**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1000		mg/Kg		100	70 - 130	1	35
Toluene			0.100	0.09349		mg/Kg		93	70 - 130	4	35
Ethylbenzene			0.100	0.1028		mg/Kg		103	70 - 130	1	35
m,p-Xylenes			0.200	0.2138		mg/Kg		107	70 - 130	0	35
o-Xylene			0.100	0.1043		mg/Kg		104	70 - 130	0	35

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

Lab Sample ID: MB 880-73562/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 73428 **Prep Batch: 73562**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/19/24 15:57	02/20/24 01:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/19/24 15:57	02/20/24 01:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/19/24 15:57	02/20/24 01:29	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/19/24 15:57	02/20/24 01:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/19/24 15:57	02/20/24 01:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/19/24 15:57	02/20/24 01:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*195*	*S1+*	*70 - 130*	*02/19/24 15:57*	*02/20/24 01:29*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*02/19/24 15:57*	*02/20/24 01:29*	*1*

Lab Sample ID: LCS 880-73562/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 73428 **Prep Batch: 73562**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07684		mg/Kg		77	70 - 130		
Toluene			0.100	0.08799		mg/Kg		88	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

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

Lab Sample ID: LCS 880-73562/1-A
Matrix: Solid
Analysis Batch: 73428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73562

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylbenzene			0.100	0.08306		mg/Kg		83	70 - 130		
m,p-Xylenes			0.200	0.2089		mg/Kg		104	70 - 130		
o-Xylene			0.100	0.1090		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*

Lab Sample ID: LCSD 880-73562/2-A
Matrix: Solid
Analysis Batch: 73428

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73562

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09432		mg/Kg		94	70 - 130	20	35
Toluene			0.100	0.1204		mg/Kg		120	70 - 130	31	35
Ethylbenzene			0.100	0.1134		mg/Kg		113	70 - 130	31	35
m,p-Xylenes			0.200	0.2422		mg/Kg		121	70 - 130	15	35
o-Xylene			0.100	0.1211		mg/Kg		121	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*200*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: MB 880-73629/5-A
Matrix: Solid
Analysis Batch: 73610

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73629

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:04	02/20/24 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:04	02/20/24 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:04	02/20/24 11:52	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/20/24 10:04	02/20/24 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:04	02/20/24 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/20/24 10:04	02/20/24 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*02/20/24 10:04*	*02/20/24 11:52*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/20/24 10:04*	*02/20/24 11:52*	*1*

Lab Sample ID: LCS 880-73629/1-A
Matrix: Solid
Analysis Batch: 73610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73629

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09553		mg/Kg		96	70 - 130		
Toluene			0.100	0.08594		mg/Kg		86	70 - 130		
Ethylbenzene			0.100	0.09011		mg/Kg		90	70 - 130		
m,p-Xylenes			0.200	0.1851		mg/Kg		93	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

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

Lab Sample ID: LCS 880-73629/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 73610 **Prep Batch: 73629**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.08909		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*

Lab Sample ID: LCSD 880-73629/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 73610 **Prep Batch: 73629**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09530		mg/Kg		95	70 - 130	0	35
Toluene			0.100	0.08625		mg/Kg		86	70 - 130	0	35
Ethylbenzene			0.100	0.09381		mg/Kg		94	70 - 130	4	35
m,p-Xylenes			0.200	0.1905		mg/Kg		95	70 - 130	3	35
o-Xylene			0.100	0.09036		mg/Kg		90	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: MB 880-73632/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 73611 **Prep Batch: 73632**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:08	02/20/24 11:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:08	02/20/24 11:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:08	02/20/24 11:59	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/20/24 10:08	02/20/24 11:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/24 10:08	02/20/24 11:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/20/24 10:08	02/20/24 11:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*02/20/24 10:08*	*02/20/24 11:59*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/20/24 10:08*	*02/20/24 11:59*	*1*

Lab Sample ID: LCS 880-73632/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 73611 **Prep Batch: 73632**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1119		mg/Kg		112	70 - 130		
Toluene			0.100	0.1027		mg/Kg		103	70 - 130		
Ethylbenzene			0.100	0.1143		mg/Kg		114	70 - 130		
m,p-Xylenes			0.200	0.2139		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1033		mg/Kg		103	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

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

Lab Sample ID: LCS 880-73632/1-A
Matrix: Solid
Analysis Batch: 73611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73632

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-73632/2-A
Matrix: Solid
Analysis Batch: 73611

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73632

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1195		mg/Kg		119	70 - 130	7	35
Toluene			0.100	0.1021		mg/Kg		102	70 - 130	1	35
Ethylbenzene			0.100	0.1227		mg/Kg		123	70 - 130	7	35
m,p-Xylenes			0.200	0.2610	*+	mg/Kg		131	70 - 130	20	35
o-Xylene			0.100	0.1213		mg/Kg		121	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-39488-1 MS
Matrix: Solid
Analysis Batch: 73611

Client Sample ID: C-S0
Prep Type: Total/NA
Prep Batch: 73632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.08796		mg/Kg		88	70 - 130
Toluene	<0.00199	U	0.100	0.08334		mg/Kg		83	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.09711		mg/Kg		97	70 - 130
m,p-Xylenes	<0.00398	U *+	0.200	0.2003		mg/Kg		99	70 - 130
o-Xylene	<0.00199	U	0.100	0.09579		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-39488-1 MSD
Matrix: Solid
Analysis Batch: 73611

Client Sample ID: C-S0
Prep Type: Total/NA
Prep Batch: 73632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.09966		mg/Kg		99	70 - 130	12	35
Toluene	<0.00199	U	0.101	0.09371		mg/Kg		93	70 - 130	12	35
Ethylbenzene	<0.00199	U	0.101	0.1206		mg/Kg		120	70 - 130	22	35
m,p-Xylenes	<0.00398	U *+	0.201	0.2527		mg/Kg		125	70 - 130	23	35
o-Xylene	<0.00199	U	0.101	0.1170		mg/Kg		116	70 - 130	20	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

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

Lab Sample ID: MB 880-73391/1-A
Matrix: Solid
Analysis Batch: 73420

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73391

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		02/16/24 14:25	02/19/24 07:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/16/24 14:25	02/19/24 07:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/16/24 14:25	02/19/24 07:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*129*		*70 - 130*	*02/16/24 14:25*	*02/19/24 07:51*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*02/16/24 14:25*	*02/19/24 07:51*	*1*

Lab Sample ID: LCS 880-73391/2-A
Matrix: Solid
Analysis Batch: 73420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73391

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)			1000	1089		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	936.7		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*97*		*70 - 130*
o-Terphenyl (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-73391/3-A
Matrix: Solid
Analysis Batch: 73420

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73391

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)			1000	1097		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	945.5		mg/Kg		95	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*100*		*70 - 130*
o-Terphenyl (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-39488-1 MS
Matrix: Solid
Analysis Batch: 73420

Client Sample ID: C-S0
Prep Type: Total/NA
Prep Batch: 73391

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)	<49.9	U	1000	1123		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	814.4		mg/Kg		80	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*90*		*70 - 130*
o-Terphenyl (Surr)	*66*	*S1-*	*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

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

Lab Sample ID: 880-39488-1 MSD
Matrix: Solid
Analysis Batch: 73420

Client Sample ID: C-S0
Prep Type: Total/NA
Prep Batch: 73391

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	<49.9	U	1000	1054		mg/Kg		103	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	747.0		mg/Kg		73	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*82*		*70 - 130*
o-Terphenyl (Surr)	*61*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-73393/1-A
Matrix: Solid
Analysis Batch: 73414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73393

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		02/16/24 14:56	02/18/24 19:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/16/24 14:56	02/18/24 19:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/16/24 14:56	02/18/24 19:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*127*		*70 - 130*	*02/16/24 14:56*	*02/18/24 19:15*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*02/16/24 14:56*	*02/18/24 19:15*	*1*

Lab Sample ID: LCS 880-73393/2-A
Matrix: Solid
Analysis Batch: 73414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73393

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)			1000	1092		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	989.9		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*103*		*70 - 130*
o-Terphenyl (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-73393/3-A
Matrix: Solid
Analysis Batch: 73414

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73393

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)			1000	1069		mg/Kg		107	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	960.5		mg/Kg		96	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*102*		*70 - 130*
o-Terphenyl (Surr)	*96*		*70 - 130*

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

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

Lab Sample ID: 880-39488-21 MS **Client Sample ID: C-70**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 73414 **Prep Batch: 73393**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)	<49.7	U	1000	1067		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	1000	881.6		mg/Kg		85	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*103*		*70 - 130*
o-Terphenyl (Surr)	*80*		*70 - 130*

Lab Sample ID: 880-39488-21 MSD **Client Sample ID: C-70**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 73414 **Prep Batch: 73393**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	<49.7	U	1000	1093		mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.7	U	1000	813.7		mg/Kg		78	70 - 130	8	20

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-73332/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 73436

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/17/24 04:16	1

Lab Sample ID: LCS 880-73332/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 73436

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.9		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-73332/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 73436

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	242.8		mg/Kg		97	90 - 110	1	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-39488-7 MS
Matrix: Solid
Analysis Batch: 73436

Client Sample ID: C-56
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3200		1250	4523		mg/Kg		105	90 - 110

Lab Sample ID: 880-39488-7 MSD
Matrix: Solid
Analysis Batch: 73436

Client Sample ID: C-56
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3200		1250	4516		mg/Kg		105	90 - 110	0	20

Lab Sample ID: MB 880-73333/1-A
Matrix: Solid
Analysis Batch: 73437

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			02/17/24 06:58	1

Lab Sample ID: LCS 880-73333/2-A
Matrix: Solid
Analysis Batch: 73437

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.3		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-73333/3-A
Matrix: Solid
Analysis Batch: 73437

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	243.2		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-39488-17 MS
Matrix: Solid
Analysis Batch: 73437

Client Sample ID: C-66
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2460		1250	3668		mg/Kg		96	90 - 110

Lab Sample ID: 880-39488-17 MSD
Matrix: Solid
Analysis Batch: 73437

Client Sample ID: C-66
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2460		1250	3685		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-39488-27 MS
Matrix: Solid
Analysis Batch: 73437

Client Sample ID: C-76 0-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	913	F1	251	1122	F1	mg/Kg		84	90 - 110

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-39488-27 MSD
Matrix: Solid
Analysis Batch: 73437

Client Sample ID: C-76 0-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	913	F1	251	1133	F1	mg/Kg		88	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

GC VOA

Prep Batch: 73179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-73179/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 73252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-26	C-75 0-3	Total/NA	Solid	8021B	73334
880-39488-27	C-76 0-2	Total/NA	Solid	8021B	73334
880-39488-28	C-77 0-2	Total/NA	Solid	8021B	73334
880-39488-29	C-78 O-2	Total/NA	Solid	8021B	73334
MB 880-73179/5-A	Method Blank	Total/NA	Solid	8021B	73179
MB 880-73334/5-A	Method Blank	Total/NA	Solid	8021B	73334
LCS 880-73334/1-A	Lab Control Sample	Total/NA	Solid	8021B	73334
LCSD 880-73334/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73334

Prep Batch: 73272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-73272/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 73334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-26	C-75 0-3	Total/NA	Solid	5035	
880-39488-27	C-76 0-2	Total/NA	Solid	5035	
880-39488-28	C-77 0-2	Total/NA	Solid	5035	
880-39488-29	C-78 O-2	Total/NA	Solid	5035	
MB 880-73334/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73334/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73334/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 73428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-15	C-64	Total/NA	Solid	8021B	73562
880-39488-16	C-65	Total/NA	Solid	8021B	73562
880-39488-17	C-66	Total/NA	Solid	8021B	73562
880-39488-18	C-67	Total/NA	Solid	8021B	73562
880-39488-19	C-68	Total/NA	Solid	8021B	73562
880-39488-20	C-69	Total/NA	Solid	8021B	73562
880-39488-21	C-70	Total/NA	Solid	8021B	73562
880-39488-22	C-71	Total/NA	Solid	8021B	73562
880-39488-23	C-72	Total/NA	Solid	8021B	73562
880-39488-24	C-73	Total/NA	Solid	8021B	73562
880-39488-25	C-74 0-2	Total/NA	Solid	8021B	73562
MB 880-73272/5-A	Method Blank	Total/NA	Solid	8021B	73272
MB 880-73562/5-A	Method Blank	Total/NA	Solid	8021B	73562
LCS 880-73562/1-A	Lab Control Sample	Total/NA	Solid	8021B	73562
LCSD 880-73562/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73562

Prep Batch: 73562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-15	C-64	Total/NA	Solid	5035	
880-39488-16	C-65	Total/NA	Solid	5035	
880-39488-17	C-66	Total/NA	Solid	5035	
880-39488-18	C-67	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

GC VOA (Continued)

Prep Batch: 73562 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-19	C-68	Total/NA	Solid	5035	
880-39488-20	C-69	Total/NA	Solid	5035	
880-39488-21	C-70	Total/NA	Solid	5035	
880-39488-22	C-71	Total/NA	Solid	5035	
880-39488-23	C-72	Total/NA	Solid	5035	
880-39488-24	C-73	Total/NA	Solid	5035	
880-39488-25	C-74 0-2	Total/NA	Solid	5035	
MB 880-73562/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73562/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73562/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 73573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-1	C-S0	Total/NA	Solid	Total BTEX	
880-39488-2	C-S1	Total/NA	Solid	Total BTEX	
880-39488-3	C-S2	Total/NA	Solid	Total BTEX	
880-39488-4	C-53	Total/NA	Solid	Total BTEX	
880-39488-5	C-54	Total/NA	Solid	Total BTEX	
880-39488-6	C-55	Total/NA	Solid	Total BTEX	
880-39488-7	C-56	Total/NA	Solid	Total BTEX	
880-39488-8	C-57	Total/NA	Solid	Total BTEX	
880-39488-9	C-58	Total/NA	Solid	Total BTEX	
880-39488-10	C-59	Total/NA	Solid	Total BTEX	
880-39488-11	C-60	Total/NA	Solid	Total BTEX	
880-39488-12	C-61	Total/NA	Solid	Total BTEX	
880-39488-13	C-62	Total/NA	Solid	Total BTEX	
880-39488-14	C-63	Total/NA	Solid	Total BTEX	
880-39488-15	C-64	Total/NA	Solid	Total BTEX	
880-39488-16	C-65	Total/NA	Solid	Total BTEX	
880-39488-17	C-66	Total/NA	Solid	Total BTEX	
880-39488-18	C-67	Total/NA	Solid	Total BTEX	
880-39488-19	C-68	Total/NA	Solid	Total BTEX	
880-39488-20	C-69	Total/NA	Solid	Total BTEX	
880-39488-21	C-70	Total/NA	Solid	Total BTEX	
880-39488-22	C-71	Total/NA	Solid	Total BTEX	
880-39488-23	C-72	Total/NA	Solid	Total BTEX	
880-39488-24	C-73	Total/NA	Solid	Total BTEX	
880-39488-25	C-74 0-2	Total/NA	Solid	Total BTEX	
880-39488-26	C-75 0-3	Total/NA	Solid	Total BTEX	
880-39488-27	C-76 0-2	Total/NA	Solid	Total BTEX	
880-39488-28	C-77 0-2	Total/NA	Solid	Total BTEX	
880-39488-29	C-78 O-2	Total/NA	Solid	Total BTEX	

Analysis Batch: 73610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-14	C-63	Total/NA	Solid	8021B	73629
MB 880-73629/5-A	Method Blank	Total/NA	Solid	8021B	73629
LCS 880-73629/1-A	Lab Control Sample	Total/NA	Solid	8021B	73629
LCSD 880-73629/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73629

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

GC VOA

Analysis Batch: 73611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-1	C-S0	Total/NA	Solid	8021B	73632
880-39488-2	C-S1	Total/NA	Solid	8021B	73632
880-39488-3	C-S2	Total/NA	Solid	8021B	73632
880-39488-4	C-53	Total/NA	Solid	8021B	73632
880-39488-5	C-54	Total/NA	Solid	8021B	73632
880-39488-6	C-55	Total/NA	Solid	8021B	73632
880-39488-7	C-56	Total/NA	Solid	8021B	73632
880-39488-8	C-57	Total/NA	Solid	8021B	73632
880-39488-9	C-58	Total/NA	Solid	8021B	73632
880-39488-10	C-59	Total/NA	Solid	8021B	73632
880-39488-11	C-60	Total/NA	Solid	8021B	73632
880-39488-12	C-61	Total/NA	Solid	8021B	73632
880-39488-13	C-62	Total/NA	Solid	8021B	73632
MB 880-73632/5-A	Method Blank	Total/NA	Solid	8021B	73632
LCS 880-73632/1-A	Lab Control Sample	Total/NA	Solid	8021B	73632
LCSD 880-73632/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73632
880-39488-1 MS	C-S0	Total/NA	Solid	8021B	73632
880-39488-1 MSD	C-S0	Total/NA	Solid	8021B	73632

Prep Batch: 73629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-14	C-63	Total/NA	Solid	5035	
MB 880-73629/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73629/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73629/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 73632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-1	C-S0	Total/NA	Solid	5035	
880-39488-2	C-S1	Total/NA	Solid	5035	
880-39488-3	C-S2	Total/NA	Solid	5035	
880-39488-4	C-53	Total/NA	Solid	5035	
880-39488-5	C-54	Total/NA	Solid	5035	
880-39488-6	C-55	Total/NA	Solid	5035	
880-39488-7	C-56	Total/NA	Solid	5035	
880-39488-8	C-57	Total/NA	Solid	5035	
880-39488-9	C-58	Total/NA	Solid	5035	
880-39488-10	C-59	Total/NA	Solid	5035	
880-39488-11	C-60	Total/NA	Solid	5035	
880-39488-12	C-61	Total/NA	Solid	5035	
880-39488-13	C-62	Total/NA	Solid	5035	
MB 880-73632/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73632/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73632/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39488-1 MS	C-S0	Total/NA	Solid	5035	
880-39488-1 MSD	C-S0	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

GC Semi VOA

Prep Batch: 73391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-1	C-S0	Total/NA	Solid	8015NM Prep	
880-39488-2	C-S1	Total/NA	Solid	8015NM Prep	
880-39488-3	C-S2	Total/NA	Solid	8015NM Prep	
880-39488-4	C-53	Total/NA	Solid	8015NM Prep	
880-39488-5	C-54	Total/NA	Solid	8015NM Prep	
880-39488-6	C-55	Total/NA	Solid	8015NM Prep	
880-39488-7	C-56	Total/NA	Solid	8015NM Prep	
880-39488-8	C-57	Total/NA	Solid	8015NM Prep	
880-39488-9	C-58	Total/NA	Solid	8015NM Prep	
880-39488-10	C-59	Total/NA	Solid	8015NM Prep	
880-39488-11	C-60	Total/NA	Solid	8015NM Prep	
880-39488-12	C-61	Total/NA	Solid	8015NM Prep	
880-39488-13	C-62	Total/NA	Solid	8015NM Prep	
880-39488-14	C-63	Total/NA	Solid	8015NM Prep	
880-39488-15	C-64	Total/NA	Solid	8015NM Prep	
880-39488-16	C-65	Total/NA	Solid	8015NM Prep	
880-39488-17	C-66	Total/NA	Solid	8015NM Prep	
880-39488-18	C-67	Total/NA	Solid	8015NM Prep	
880-39488-19	C-68	Total/NA	Solid	8015NM Prep	
880-39488-20	C-69	Total/NA	Solid	8015NM Prep	
MB 880-73391/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-73391/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-73391/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-39488-1 MS	C-S0	Total/NA	Solid	8015NM Prep	
880-39488-1 MSD	C-S0	Total/NA	Solid	8015NM Prep	

Prep Batch: 73393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-21	C-70	Total/NA	Solid	8015NM Prep	
880-39488-22	C-71	Total/NA	Solid	8015NM Prep	
880-39488-23	C-72	Total/NA	Solid	8015NM Prep	
880-39488-24	C-73	Total/NA	Solid	8015NM Prep	
880-39488-25	C-74 0-2	Total/NA	Solid	8015NM Prep	
880-39488-26	C-75 0-3	Total/NA	Solid	8015NM Prep	
880-39488-27	C-76 0-2	Total/NA	Solid	8015NM Prep	
880-39488-28	C-77 0-2	Total/NA	Solid	8015NM Prep	
880-39488-29	C-78 O-2	Total/NA	Solid	8015NM Prep	
MB 880-73393/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-73393/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-73393/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-39488-21 MS	C-70	Total/NA	Solid	8015NM Prep	
880-39488-21 MSD	C-70	Total/NA	Solid	8015NM Prep	

Analysis Batch: 73414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-21	C-70	Total/NA	Solid	8015B NM	73393
880-39488-22	C-71	Total/NA	Solid	8015B NM	73393
880-39488-23	C-72	Total/NA	Solid	8015B NM	73393
880-39488-24	C-73	Total/NA	Solid	8015B NM	73393
880-39488-25	C-74 0-2	Total/NA	Solid	8015B NM	73393
880-39488-26	C-75 0-3	Total/NA	Solid	8015B NM	73393

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

GC Semi VOA (Continued)

Analysis Batch: 73414 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-27	C-76 0-2	Total/NA	Solid	8015B NM	73393
880-39488-28	C-77 0-2	Total/NA	Solid	8015B NM	73393
880-39488-29	C-78 O-2	Total/NA	Solid	8015B NM	73393
MB 880-73393/1-A	Method Blank	Total/NA	Solid	8015B NM	73393
LCS 880-73393/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	73393
LCSD 880-73393/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	73393
880-39488-21 MS	C-70	Total/NA	Solid	8015B NM	73393
880-39488-21 MSD	C-70	Total/NA	Solid	8015B NM	73393

Analysis Batch: 73420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-1	C-S0	Total/NA	Solid	8015B NM	73391
880-39488-2	C-S1	Total/NA	Solid	8015B NM	73391
880-39488-3	C-S2	Total/NA	Solid	8015B NM	73391
880-39488-4	C-53	Total/NA	Solid	8015B NM	73391
880-39488-5	C-54	Total/NA	Solid	8015B NM	73391
880-39488-6	C-55	Total/NA	Solid	8015B NM	73391
880-39488-7	C-56	Total/NA	Solid	8015B NM	73391
880-39488-8	C-57	Total/NA	Solid	8015B NM	73391
880-39488-9	C-58	Total/NA	Solid	8015B NM	73391
880-39488-10	C-59	Total/NA	Solid	8015B NM	73391
880-39488-11	C-60	Total/NA	Solid	8015B NM	73391
880-39488-12	C-61	Total/NA	Solid	8015B NM	73391
880-39488-13	C-62	Total/NA	Solid	8015B NM	73391
880-39488-14	C-63	Total/NA	Solid	8015B NM	73391
880-39488-15	C-64	Total/NA	Solid	8015B NM	73391
880-39488-16	C-65	Total/NA	Solid	8015B NM	73391
880-39488-17	C-66	Total/NA	Solid	8015B NM	73391
880-39488-18	C-67	Total/NA	Solid	8015B NM	73391
880-39488-19	C-68	Total/NA	Solid	8015B NM	73391
880-39488-20	C-69	Total/NA	Solid	8015B NM	73391
MB 880-73391/1-A	Method Blank	Total/NA	Solid	8015B NM	73391
LCS 880-73391/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	73391
LCSD 880-73391/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	73391
880-39488-1 MS	C-S0	Total/NA	Solid	8015B NM	73391
880-39488-1 MSD	C-S0	Total/NA	Solid	8015B NM	73391

Analysis Batch: 73541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-1	C-S0	Total/NA	Solid	8015 NM	
880-39488-2	C-S1	Total/NA	Solid	8015 NM	
880-39488-3	C-S2	Total/NA	Solid	8015 NM	
880-39488-4	C-53	Total/NA	Solid	8015 NM	
880-39488-5	C-54	Total/NA	Solid	8015 NM	
880-39488-6	C-55	Total/NA	Solid	8015 NM	
880-39488-7	C-56	Total/NA	Solid	8015 NM	
880-39488-8	C-57	Total/NA	Solid	8015 NM	
880-39488-9	C-58	Total/NA	Solid	8015 NM	
880-39488-10	C-59	Total/NA	Solid	8015 NM	
880-39488-11	C-60	Total/NA	Solid	8015 NM	
880-39488-12	C-61	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

GC Semi VOA (Continued)

Analysis Batch: 73541 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-13	C-62	Total/NA	Solid	8015 NM	
880-39488-14	C-63	Total/NA	Solid	8015 NM	
880-39488-15	C-64	Total/NA	Solid	8015 NM	
880-39488-16	C-65	Total/NA	Solid	8015 NM	
880-39488-17	C-66	Total/NA	Solid	8015 NM	
880-39488-18	C-67	Total/NA	Solid	8015 NM	
880-39488-19	C-68	Total/NA	Solid	8015 NM	
880-39488-20	C-69	Total/NA	Solid	8015 NM	
880-39488-21	C-70	Total/NA	Solid	8015 NM	
880-39488-22	C-71	Total/NA	Solid	8015 NM	
880-39488-23	C-72	Total/NA	Solid	8015 NM	
880-39488-24	C-73	Total/NA	Solid	8015 NM	
880-39488-25	C-74 0-2	Total/NA	Solid	8015 NM	
880-39488-26	C-75 0-3	Total/NA	Solid	8015 NM	
880-39488-27	C-76 0-2	Total/NA	Solid	8015 NM	
880-39488-28	C-77 0-2	Total/NA	Solid	8015 NM	
880-39488-29	C-78 O-2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 73332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-1	C-S0	Soluble	Solid	DI Leach	
880-39488-2	C-S1	Soluble	Solid	DI Leach	
880-39488-3	C-S2	Soluble	Solid	DI Leach	
880-39488-4	C-53	Soluble	Solid	DI Leach	
880-39488-5	C-54	Soluble	Solid	DI Leach	
880-39488-6	C-55	Soluble	Solid	DI Leach	
880-39488-7	C-56	Soluble	Solid	DI Leach	
880-39488-8	C-57	Soluble	Solid	DI Leach	
880-39488-9	C-58	Soluble	Solid	DI Leach	
880-39488-10	C-59	Soluble	Solid	DI Leach	
880-39488-11	C-60	Soluble	Solid	DI Leach	
880-39488-12	C-61	Soluble	Solid	DI Leach	
880-39488-13	C-62	Soluble	Solid	DI Leach	
880-39488-14	C-63	Soluble	Solid	DI Leach	
880-39488-15	C-64	Soluble	Solid	DI Leach	
880-39488-16	C-65	Soluble	Solid	DI Leach	
MB 880-73332/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-73332/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-73332/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-39488-7 MS	C-56	Soluble	Solid	DI Leach	
880-39488-7 MSD	C-56	Soluble	Solid	DI Leach	

Leach Batch: 73333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-17	C-66	Soluble	Solid	DI Leach	
880-39488-18	C-67	Soluble	Solid	DI Leach	
880-39488-19	C-68	Soluble	Solid	DI Leach	
880-39488-20	C-69	Soluble	Solid	DI Leach	
880-39488-21	C-70	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

HPLC/IC (Continued)

Leach Batch: 73333 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-22	C-71	Soluble	Solid	DI Leach	
880-39488-23	C-72	Soluble	Solid	DI Leach	
880-39488-24	C-73	Soluble	Solid	DI Leach	
880-39488-25	C-74 0-2	Soluble	Solid	DI Leach	
880-39488-26	C-75 0-3	Soluble	Solid	DI Leach	
880-39488-27	C-76 0-2	Soluble	Solid	DI Leach	
880-39488-28	C-77 0-2	Soluble	Solid	DI Leach	
880-39488-29	C-78 O-2	Soluble	Solid	DI Leach	
MB 880-73333/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-73333/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-73333/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-39488-17 MS	C-66	Soluble	Solid	DI Leach	
880-39488-17 MSD	C-66	Soluble	Solid	DI Leach	
880-39488-27 MS	C-76 0-2	Soluble	Solid	DI Leach	
880-39488-27 MSD	C-76 0-2	Soluble	Solid	DI Leach	

Analysis Batch: 73436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-1	C-S0	Soluble	Solid	300.0	73332
880-39488-2	C-S1	Soluble	Solid	300.0	73332
880-39488-3	C-S2	Soluble	Solid	300.0	73332
880-39488-4	C-53	Soluble	Solid	300.0	73332
880-39488-5	C-54	Soluble	Solid	300.0	73332
880-39488-6	C-55	Soluble	Solid	300.0	73332
880-39488-7	C-56	Soluble	Solid	300.0	73332
880-39488-8	C-57	Soluble	Solid	300.0	73332
880-39488-9	C-58	Soluble	Solid	300.0	73332
880-39488-10	C-59	Soluble	Solid	300.0	73332
880-39488-11	C-60	Soluble	Solid	300.0	73332
880-39488-12	C-61	Soluble	Solid	300.0	73332
880-39488-13	C-62	Soluble	Solid	300.0	73332
880-39488-14	C-63	Soluble	Solid	300.0	73332
880-39488-15	C-64	Soluble	Solid	300.0	73332
880-39488-16	C-65	Soluble	Solid	300.0	73332
MB 880-73332/1-A	Method Blank	Soluble	Solid	300.0	73332
LCS 880-73332/2-A	Lab Control Sample	Soluble	Solid	300.0	73332
LCSD 880-73332/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	73332
880-39488-7 MS	C-56	Soluble	Solid	300.0	73332
880-39488-7 MSD	C-56	Soluble	Solid	300.0	73332

Analysis Batch: 73437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-17	C-66	Soluble	Solid	300.0	73333
880-39488-18	C-67	Soluble	Solid	300.0	73333
880-39488-19	C-68	Soluble	Solid	300.0	73333
880-39488-20	C-69	Soluble	Solid	300.0	73333
880-39488-21	C-70	Soluble	Solid	300.0	73333
880-39488-22	C-71	Soluble	Solid	300.0	73333
880-39488-23	C-72	Soluble	Solid	300.0	73333
880-39488-24	C-73	Soluble	Solid	300.0	73333
880-39488-25	C-74 0-2	Soluble	Solid	300.0	73333

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

HPLC/IC (Continued)

Analysis Batch: 73437 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39488-26	C-75 0-3	Soluble	Solid	300.0	73333
880-39488-27	C-76 0-2	Soluble	Solid	300.0	73333
880-39488-28	C-77 0-2	Soluble	Solid	300.0	73333
880-39488-29	C-78 O-2	Soluble	Solid	300.0	73333
MB 880-73333/1-A	Method Blank	Soluble	Solid	300.0	73333
LCS 880-73333/2-A	Lab Control Sample	Soluble	Solid	300.0	73333
LCSD 880-73333/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	73333
880-39488-17 MS	C-66	Soluble	Solid	300.0	73333
880-39488-17 MSD	C-66	Soluble	Solid	300.0	73333
880-39488-27 MS	C-76 0-2	Soluble	Solid	300.0	73333
880-39488-27 MSD	C-76 0-2	Soluble	Solid	300.0	73333

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-S0

Lab Sample ID: 880-39488-1
Matrix: Solid
Date Collected: 02/15/24 10:15
Date Received: 02/16/24 08:30

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	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 12:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 12:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 10:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 10:29	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		1			73436	02/17/24 04:57	CH	EET MID

Client Sample ID: C-S1

Lab Sample ID: 880-39488-2
Matrix: Solid
Date Collected: 02/15/24 10:17
Date Received: 02/16/24 08:30

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	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 12:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 11:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 11:37	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		1			73436	02/17/24 05:11	CH	EET MID

Client Sample ID: C-S2

Lab Sample ID: 880-39488-3
Matrix: Solid
Date Collected: 02/15/24 10:19
Date Received: 02/16/24 08:30

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	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 13:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 13:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 12:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 12:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		5			73436	02/17/24 05:16	CH	EET MID

Client Sample ID: C-53

Lab Sample ID: 880-39488-4
Matrix: Solid
Date Collected: 02/15/24 10:24
Date Received: 02/16/24 08:30

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	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 13:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 13:29	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-53

Date Collected: 02/15/24 10:24
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-4
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			73541	02/19/24 12:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 12:22	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		5			73436	02/17/24 05:21	CH	EET MID

Client Sample ID: C-54

Date Collected: 02/15/24 10:26
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-5
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			4.96 g	5 mL	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 13:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 13:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 12:44	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		5			73436	02/17/24 05:25	CH	EET MID

Client Sample ID: C-55

Date Collected: 02/15/24 10:34
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-6
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	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 14:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 14:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 13:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 13:07	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		5			73436	02/17/24 05:30	CH	EET MID

Client Sample ID: C-56

Date Collected: 02/15/24 10:36
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-7
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			5.01 g	5 mL	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 14:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 13:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-56

Date Collected: 02/15/24 10:36
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		5			73436	02/17/24 05:34	CH	EET MID

Client Sample ID: C-57

Date Collected: 02/15/24 10:52
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-8
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			5.02 g	5 mL	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 14:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 13:53	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		5			73436	02/17/24 05:48	CH	EET MID

Client Sample ID: C-58

Date Collected: 02/15/24 10:57
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 14:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 14:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		5			73436	02/17/24 05:53	CH	EET MID

Client Sample ID: C-59

Date Collected: 02/15/24 10:59
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-10
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			4.96 g	5 mL	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 15:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 14:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 14:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		10			73436	02/17/24 06:07	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-60

Date Collected: 02/15/24 11:00
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-11

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			4.99 g	5 mL	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 15:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 15:28	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		5			73436	02/17/24 06:12	CH	EET MID

Client Sample ID: C-61

Date Collected: 02/15/24 11:15
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-12

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			5.02 g	5 mL	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 17:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 15:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 15:51	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		5			73436	02/17/24 06:16	CH	EET MID

Client Sample ID: C-62

Date Collected: 02/15/24 11:24
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-13

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			5.03 g	5 mL	73632	02/20/24 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73611	02/20/24 18:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 18:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 16:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 16:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		10			73436	02/17/24 06:21	CH	EET MID

Client Sample ID: C-63

Date Collected: 02/15/24 11:26
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-14

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			5.05 g	5 mL	73629	02/20/24 10:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73610	02/20/24 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 14:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-63
Date Collected: 02/15/24 11:26
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-14
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			73541	02/19/24 16:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 16:49	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		5			73436	02/17/24 06:25	CH	EET MID

Client Sample ID: C-64
Date Collected: 02/15/24 11:28
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-15
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			5.00 g	5 mL	73562	02/19/24 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73428	02/20/24 05:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 05:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 17:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 17:12	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		5			73436	02/17/24 06:30	CH	EET MID

Client Sample ID: C-65
Date Collected: 02/15/24 11:34
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73562	02/19/24 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73428	02/20/24 07:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 07:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 17:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 17:35	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	73332	02/16/24 10:20	SA	EET MID
Soluble	Analysis	300.0		1			73436	02/17/24 06:35	CH	EET MID

Client Sample ID: C-66
Date Collected: 02/15/24 11:40
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-17
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	73562	02/19/24 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73428	02/20/24 08:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 08:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 17:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 17:58	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-66

Date Collected: 02/15/24 11:40
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		5			73437	02/17/24 07:12	CH	EET MID

Client Sample ID: C-67

Date Collected: 02/15/24 11:43
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-18
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			4.95 g	5 mL	73562	02/19/24 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73428	02/20/24 08:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 08:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 18:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 18:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		5			73437	02/17/24 07:26	CH	EET MID

Client Sample ID: C-68

Date Collected: 02/15/24 11:49
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-19
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	73562	02/19/24 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73428	02/20/24 08:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 08:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 18:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 18:45	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		5			73437	02/17/24 07:30	CH	EET MID

Client Sample ID: C-69

Date Collected: 02/15/24 12:00
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-20
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			5.01 g	5 mL	73562	02/19/24 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73428	02/20/24 09:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 09:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 19:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	73391	02/16/24 14:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73420	02/19/24 19:08	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		5			73437	02/17/24 07:35	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-70

Date Collected: 02/15/24 12:10
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	73562	02/19/24 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73428	02/20/24 09:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 09:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/18/24 20:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	73393	02/16/24 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/18/24 20:25	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		5			73437	02/17/24 07:40	CH	EET MID

Client Sample ID: C-71

Date Collected: 02/15/24 12:12
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-22
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			4.98 g	5 mL	73562	02/19/24 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73428	02/20/24 10:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 10:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/18/24 21:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73393	02/16/24 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/18/24 21:34	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		1			73437	02/17/24 07:53	CH	EET MID

Client Sample ID: C-72

Date Collected: 02/15/24 12:14
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-23
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			5.04 g	5 mL	73562	02/19/24 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73428	02/20/24 10:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 10:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/18/24 21:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	73393	02/16/24 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/18/24 21:57	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		5			73437	02/17/24 07:58	CH	EET MID

Client Sample ID: C-73

Date Collected: 02/15/24 12:16
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-24
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			4.97 g	5 mL	73562	02/19/24 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73428	02/20/24 11:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 11:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Client Sample ID: C-73
Date Collected: 02/15/24 12:16
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-24
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			73541	02/18/24 22:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	73393	02/16/24 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/18/24 22:20	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		1			73437	02/17/24 08:03	CH	EET MID

Client Sample ID: C-74 0-2
Date Collected: 02/15/24 12:38
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-25
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			4.96 g	5 mL	73562	02/19/24 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73428	02/20/24 11:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/20/24 11:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/18/24 22:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	73393	02/16/24 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/18/24 22:43	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		5			73437	02/17/24 08:07	CH	EET MID

Client Sample ID: C-75 0-3
Date Collected: 02/15/24 12:42
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-26
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			4.97 g	5 mL	73334	02/16/24 10:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73252	02/17/24 01:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/17/24 01:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/18/24 23:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	73393	02/16/24 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/18/24 23:06	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		1			73437	02/17/24 08:12	CH	EET MID

Client Sample ID: C-76 0-2
Date Collected: 02/15/24 12:50
Date Received: 02/16/24 08:30

Lab Sample ID: 880-39488-27
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			4.96 g	5 mL	73334	02/16/24 10:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73252	02/17/24 01:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/17/24 01:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/18/24 23:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	73393	02/16/24 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/18/24 23:29	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-76 0-2 Lab Sample ID: 880-39488-27

Date Collected: 02/15/24 12:50 **Matrix: Solid**
Date Received: 02/16/24 08:30

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	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		1			73437	02/17/24 08:17	CH	EET MID

Client Sample ID: C-77 0-2 Lab Sample ID: 880-39488-28

Date Collected: 02/15/24 12:56 **Matrix: Solid**
Date Received: 02/16/24 08:30

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	73334	02/16/24 10:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73252	02/17/24 02:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/17/24 02:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/18/24 23:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	73393	02/16/24 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/18/24 23:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		1			73437	02/17/24 08:31	CH	EET MID

Client Sample ID: C-78 O-2 Lab Sample ID: 880-39488-29

Date Collected: 02/15/24 12:58 **Matrix: Solid**
Date Received: 02/16/24 08:30

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	73334	02/16/24 10:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73252	02/17/24 02:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73573	02/17/24 02:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			73541	02/19/24 00:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73393	02/16/24 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/19/24 00:17	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	73333	02/16/24 10:22	SA	EET MID
Soluble	Analysis	300.0		1			73437	02/17/24 08:35	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

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. Job ID: 880-39488-1
Project/Site: Pony Riser SDG: 23-0105-04

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: Pony Riser

Job ID: 880-39488-1
SDG: 23-0105-04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-39488-1	C-S0	Solid	02/15/24 10:15	02/16/24 08:30
880-39488-2	C-S1	Solid	02/15/24 10:17	02/16/24 08:30
880-39488-3	C-S2	Solid	02/15/24 10:19	02/16/24 08:30
880-39488-4	C-53	Solid	02/15/24 10:24	02/16/24 08:30
880-39488-5	C-54	Solid	02/15/24 10:26	02/16/24 08:30
880-39488-6	C-55	Solid	02/15/24 10:34	02/16/24 08:30
880-39488-7	C-56	Solid	02/15/24 10:36	02/16/24 08:30
880-39488-8	C-57	Solid	02/15/24 10:52	02/16/24 08:30
880-39488-9	C-58	Solid	02/15/24 10:57	02/16/24 08:30
880-39488-10	C-59	Solid	02/15/24 10:59	02/16/24 08:30
880-39488-11	C-60	Solid	02/15/24 11:00	02/16/24 08:30
880-39488-12	C-61	Solid	02/15/24 11:15	02/16/24 08:30
880-39488-13	C-62	Solid	02/15/24 11:24	02/16/24 08:30
880-39488-14	C-63	Solid	02/15/24 11:26	02/16/24 08:30
880-39488-15	C-64	Solid	02/15/24 11:28	02/16/24 08:30
880-39488-16	C-65	Solid	02/15/24 11:34	02/16/24 08:30
880-39488-17	C-66	Solid	02/15/24 11:40	02/16/24 08:30
880-39488-18	C-67	Solid	02/15/24 11:43	02/16/24 08:30
880-39488-19	C-68	Solid	02/15/24 11:49	02/16/24 08:30
880-39488-20	C-69	Solid	02/15/24 12:00	02/16/24 08:30
880-39488-21	C-70	Solid	02/15/24 12:10	02/16/24 08:30
880-39488-22	C-71	Solid	02/15/24 12:12	02/16/24 08:30
880-39488-23	C-72	Solid	02/15/24 12:14	02/16/24 08:30
880-39488-24	C-73	Solid	02/15/24 12:16	02/16/24 08:30
880-39488-25	C-74 0-2	Solid	02/15/24 12:38	02/16/24 08:30
880-39488-26	C-75 0-3	Solid	02/15/24 12:42	02/16/24 08:30
880-39488-27	C-76 0-2	Solid	02/15/24 12:50	02/16/24 08:30
880-39488-28	C-77 0-2	Solid	02/15/24 12:56	02/16/24 08:30
880-39488-29	C-78 O-2	Solid	02/15/24 12:58	02/16/24 08:30

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No. 3234

CHAIN-OF-CUSTODY

2/21/2024

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

DATE 2/15/2024 PAGE 1 OF 2

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME PONY RISER

LAI PROJECT # 23-0105-04 COLLECTOR: DSG

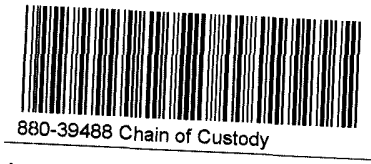
Data Reported to:

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State: MNT / NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-50		2/15/24	1015	S	1				X		X		X	X	X													X		
C-51			1017																											
C-52			1019																											
C-53			1024																											
C-54			1026																											
C-55			1034																											
C-56			1036																											
C-57			1052																											
C-58			1057																											
C-59			1059																											
C-60			1100																											
C-61			1115																											
C-62			1124																											
C-63			1126																											
C-64			1128																											
TOTAL 15																														



RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Danny Sy	2/16/24 0830	Jaime Ruiz
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY XENCO

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

LABORATORY USE ONLY:
RECEIVING TEMP 0.9 THERM# 0.8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

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Received by OCD: 11/14/2024 4:51:29 PM

Released to Imaging: 3/4/2025 10:16:12 AM

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No. 3235

CHAIN-OF-CUSTODY

2/21/2024

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

Data Reported to

DATE 2/15/24 PAGE 1 OF 2

PO# LAB WORK ORDER#

PROJECT LOCATION OR NAME PONY RISER

LAI PROJECT # 23-0105-04 COLLECTOR DSS

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State
MNT/NM

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

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	BTEX	TRPH	TPH	GASOLINE	DIESEL	OIL	VOC	SVOC	8081	8082	TCLP-METALS	TCLP-PEST	TOTAL METALS	LEAD-TOTAL	RCI	TDS	pH	EXPLOSIVES	CHLORIDE	FIELD NOTES
C-65		2/15/24	1134	S	1				X		X		X	X	X													X		
C-66			1140																											
C-67			1143																											
C-68			1149																											
C-69			1200																											
C-70			1210																											
C-71			1212																											
C-72			1214																											
C-73			1216																											
C-74 0-2			1238																											
C-75 0-3			1242																											
C-76 0-2			1250																											
C-77 0-2			1254																											
C-78 0-2			1258																											

Loc: 880
39488

TOTAL 14

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Daniel Ortiz	2/16/24 0830	Jaime Wr
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 0.9 THERM# 0.8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Page 62 of 63

Received by OCD: 11/14/2024 4:51:29 PM

Released to Imaging: 3/4/2025 10:16:12 AM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-39488-1
SDG Number: 23-0105-04

Login Number: 39488
List Number: 1
Creator: Wheeler, Jazmine

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/3/2024 11:42:25 PM

JOB DESCRIPTION

Pony Riser
23-0105-04

JOB NUMBER

880-41511-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/4/2025 10:16:12 AM

Eurofins Midland

Job Notes

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

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

Authorization

Holly Taylor

Generated
4/3/2024 11:42:25 PM

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

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Laboratory Job ID: 880-41511-1
SDG: 23-0105-04

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

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. Job ID: 880-41511-1
Project: Pony Riser

Job ID: 880-41511-1 Eurofins Midland

Job Narrative
880-41511-1

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 3/28/2024 9:48 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 1.1°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-46 3' (880-41511-1), C-68 3' (880-41511-2), C-60 3' (880-41511-3), C-79 3' (880-41511-4), C-80 3' (880-41511-5), C-81 3' (880-41511-6), C-66 3' (880-41511-7), C-67 3' (880-41511-8), C-74 0-4' (880-41511-9) and C-76 0-3' (880-41511-10).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-76825 and analytical batch 880-76772 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: The surrogate recovery for the blank associated with preparation batch 880-76744 and 880-76837 and analytical batch 880-76762 was outside the upper control limits.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-76858 and 880-76858 and analytical batch 880-77052 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.

C-46 3' (880-41511-1), C-68 3' (880-41511-2), C-60 3' (880-41511-3), C-79 3' (880-41511-4), C-80 3' (880-41511-5), C-81 3' (880-41511-6), C-66 3' (880-41511-7) and C-67 3' (880-41511-8)

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

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-46 3'
Lab Sample ID: 880-41511-1
Date Collected: 03/27/24 10:32 **Matrix: Solid**
Date Received: 03/28/24 09:48

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/28/24 10:40	03/28/24 14:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/28/24 10:40	03/28/24 14:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/28/24 10:40	03/28/24 14:42	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		03/28/24 10:40	03/28/24 14:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/28/24 10:40	03/28/24 14:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/28/24 10:40	03/28/24 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/28/24 10:40*	*03/28/24 14:42*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/28/24 10:40*	*03/28/24 14:42*	*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			03/28/24 14:42	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			03/28/24 19:04	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		03/28/24 13:28	03/28/24 19:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/28/24 13:28	03/28/24 19:04	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/28/24 13:28	03/28/24 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*03/28/24 13:28*	*03/28/24 19:04*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*03/28/24 13:28*	*03/28/24 19:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1290**		50.2		mg/Kg			04/03/24 08:56	10

Client Sample ID: C-68 3'
Lab Sample ID: 880-41511-2
Date Collected: 03/27/24 10:34 **Matrix: Solid**
Date Received: 03/28/24 09:48

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/28/24 10:40	03/28/24 15:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/28/24 10:40	03/28/24 15:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/28/24 10:40	03/28/24 15:02	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/28/24 10:40	03/28/24 15:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/28/24 10:40	03/28/24 15:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/28/24 10:40	03/28/24 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/28/24 10:40*	*03/28/24 15:02*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*03/28/24 10:40*	*03/28/24 15:02*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-41511-1
SDG: 23-0105-04

Client Sample ID: C-68 3'

Date Collected: 03/27/24 10:34
Date Received: 03/28/24 09:48

Lab Sample ID: 880-41511-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/28/24 15:02	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			03/28/24 19:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/28/24 13:28	03/28/24 19:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/28/24 13:28	03/28/24 19:25	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/28/24 13:28	03/28/24 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*03/28/24 13:28*	*03/28/24 19:25*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*03/28/24 13:28*	*03/28/24 19:25*	*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			04/03/24 09:01	1

Client Sample ID: C-60 3'

Date Collected: 03/27/24 10:42
Date Received: 03/28/24 09:48

Lab Sample ID: 880-41511-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/28/24 10:40	03/28/24 15:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/28/24 10:40	03/28/24 15:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/28/24 10:40	03/28/24 15:23	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		03/28/24 10:40	03/28/24 15:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/28/24 10:40	03/28/24 15:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/28/24 10:40	03/28/24 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/28/24 10:40*	*03/28/24 15:23*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/28/24 10:40*	*03/28/24 15:23*	*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			03/28/24 15:23	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			03/28/24 19:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		03/28/24 13:28	03/28/24 19:46	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		03/28/24 13:28	03/28/24 19:46	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-60 3'
Lab Sample ID: 880-41511-3
Date Collected: 03/27/24 10:42 **Matrix: Solid**
Date Received: 03/28/24 09:48

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)	<49.6	U	49.6		mg/Kg		03/28/24 13:28	03/28/24 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*03/28/24 13:28*	*03/28/24 19:46*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*03/28/24 13:28*	*03/28/24 19:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**145**		5.03		mg/Kg			04/03/24 09:06	1

Client Sample ID: C-79 3'
Lab Sample ID: 880-41511-4
Date Collected: 03/27/24 10:58 **Matrix: Solid**
Date Received: 03/28/24 09:48

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/28/24 10:40	03/28/24 15:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/28/24 10:40	03/28/24 15:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/28/24 10:40	03/28/24 15:43	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/28/24 10:40	03/28/24 15:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/28/24 10:40	03/28/24 15:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/28/24 10:40	03/28/24 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*03/28/24 10:40*	*03/28/24 15:43*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/28/24 10:40*	*03/28/24 15:43*	*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			03/28/24 15:43	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			03/28/24 20:06	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	<50.0	U	50.0		mg/Kg		03/28/24 13:28	03/28/24 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/24 13:28	03/28/24 20:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/24 13:28	03/28/24 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*03/28/24 13:28*	*03/28/24 20:06*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*03/28/24 13:28*	*03/28/24 20:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**207**		5.04		mg/Kg			04/03/24 09:11	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-80 3'
Lab Sample ID: 880-41511-5
Date Collected: 03/27/24 11:07 **Matrix: Solid**
Date Received: 03/28/24 09:48

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/24 10:40	03/28/24 16:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/24 10:40	03/28/24 16:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/24 10:40	03/28/24 16:04	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/28/24 10:40	03/28/24 16:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/24 10:40	03/28/24 16:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/28/24 10:40	03/28/24 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/28/24 10:40*	*03/28/24 16:04*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*03/28/24 10:40*	*03/28/24 16:04*	*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			03/28/24 16:04	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			03/28/24 21:51	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	<50.0	U	50.0		mg/Kg		03/28/24 10:56	03/28/24 21:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/24 10:56	03/28/24 21:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/24 10:56	03/28/24 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*03/28/24 10:56*	*03/28/24 21:51*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*03/28/24 10:56*	*03/28/24 21:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.1**		5.04		mg/Kg			04/03/24 09:25	1

Client Sample ID: C-81 3'
Lab Sample ID: 880-41511-6
Date Collected: 03/27/24 11:15 **Matrix: Solid**
Date Received: 03/28/24 09:48

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/28/24 10:40	03/28/24 16:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/28/24 10:40	03/28/24 16:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/28/24 10:40	03/28/24 16:24	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		03/28/24 10:40	03/28/24 16:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/28/24 10:40	03/28/24 16:24	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/28/24 10:40	03/28/24 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/28/24 10:40*	*03/28/24 16:24*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/28/24 10:40*	*03/28/24 16:24*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-81 3'
Lab Sample ID: 880-41511-6
Date Collected: 03/27/24 11:15 **Matrix: Solid**
Date Received: 03/28/24 09:48

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			03/28/24 16:24	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			03/28/24 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	<50.0	U	50.0		mg/Kg		03/28/24 10:56	03/28/24 22:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/24 10:56	03/28/24 22:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/24 10:56	03/28/24 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*03/28/24 10:56*	*03/28/24 22:55*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*03/28/24 10:56*	*03/28/24 22:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**		5.02		mg/Kg			04/03/24 09:30	1

Client Sample ID: C-66 3'
Lab Sample ID: 880-41511-7
Date Collected: 03/27/24 11:34 **Matrix: Solid**
Date Received: 03/28/24 09:48

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		03/28/24 10:40	03/28/24 16:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/28/24 10:40	03/28/24 16:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/28/24 10:40	03/28/24 16:45	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		03/28/24 10:40	03/28/24 16:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/28/24 10:40	03/28/24 16:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/28/24 10:40	03/28/24 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*03/28/24 10:40*	*03/28/24 16:45*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/28/24 10:40*	*03/28/24 16:45*	*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			03/28/24 16:45	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			03/28/24 23:17	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		03/28/24 10:56	03/28/24 23:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/24 10:56	03/28/24 23:17	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-41511-1
SDG: 23-0105-04

Client Sample ID: C-66 3'

Date Collected: 03/27/24 11:34
Date Received: 03/28/24 09:48

Lab Sample ID: 880-41511-7
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)	<49.9	U	49.9		mg/Kg		03/28/24 10:56	03/28/24 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*119*		*70 - 130*	*03/28/24 10:56*	*03/28/24 23:17*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*03/28/24 10:56*	*03/28/24 23:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**205**		4.96		mg/Kg			04/03/24 09:35	1

Client Sample ID: C-67 3'

Date Collected: 03/27/24 11:47
Date Received: 03/28/24 09:48

Lab Sample ID: 880-41511-8
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		03/28/24 10:40	03/28/24 17:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/28/24 10:40	03/28/24 17:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/28/24 10:40	03/28/24 17:05	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/28/24 10:40	03/28/24 17:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/28/24 10:40	03/28/24 17:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/28/24 10:40	03/28/24 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/28/24 10:40*	*03/28/24 17:05*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/28/24 10:40*	*03/28/24 17:05*	*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			03/28/24 17:05	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			03/28/24 23:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/28/24 10:56	03/28/24 23:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/28/24 10:56	03/28/24 23:38	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/28/24 10:56	03/28/24 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*03/28/24 10:56*	*03/28/24 23:38*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*03/28/24 10:56*	*03/28/24 23:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**216**		4.96		mg/Kg			04/03/24 09:45	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-41511-1
SDG: 23-0105-04

Client Sample ID: C-74 0-4'

Lab Sample ID: 880-41511-9
Matrix: Solid
Date Collected: 03/27/24 12:35
Date Received: 03/28/24 09:48

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/24 10:40	03/28/24 17:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/24 10:40	03/28/24 17:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/24 10:40	03/28/24 17:26	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		03/28/24 10:40	03/28/24 17:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/24 10:40	03/28/24 17:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/28/24 10:40	03/28/24 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/28/24 10:40*	*03/28/24 17:26*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/28/24 10:40*	*03/28/24 17:26*	*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			03/28/24 17:26	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			03/28/24 23:59	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/28/24 10:56	03/28/24 23:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/28/24 10:56	03/28/24 23:59	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/28/24 10:56	03/28/24 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*125*		*70 - 130*	*03/28/24 10:56*	*03/28/24 23:59*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*03/28/24 10:56*	*03/28/24 23:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**156**		5.00		mg/Kg			04/03/24 09:49	1

Client Sample ID: C-76 0-3'

Lab Sample ID: 880-41511-10
Matrix: Solid
Date Collected: 03/27/24 12:47
Date Received: 03/28/24 09:48

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/28/24 10:40	03/28/24 17:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/28/24 10:40	03/28/24 17:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/28/24 10:40	03/28/24 17:46	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/28/24 10:40	03/28/24 17:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/28/24 10:40	03/28/24 17:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/28/24 10:40	03/28/24 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*03/28/24 10:40*	*03/28/24 17:46*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*03/28/24 10:40*	*03/28/24 17:46*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-76 0-3' **Lab Sample ID: 880-41511-10**
Date Collected: 03/27/24 12:47 **Matrix: Solid**
Date Received: 03/28/24 09:48

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			03/28/24 17:46	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			03/29/24 00:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/28/24 10:56	03/29/24 00:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/24 10:56	03/29/24 00:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/24 10:56	03/29/24 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*03/28/24 10:56*	*03/29/24 00:21*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*03/28/24 10:56*	*03/29/24 00:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		4.98		mg/Kg			04/03/24 10:04	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-41511-1
SDG: 23-0105-04

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
		Percent Surrogate Recovery (Acceptance Limits)	
880-41511-1	C-46 3'	96	102
880-41511-1 MS	C-46 3'	102	95
880-41511-1 MSD	C-46 3'	110	100
880-41511-2	C-68 3'	107	108
880-41511-3	C-60 3'	108	100
880-41511-4	C-79 3'	116	98
880-41511-5	C-80 3'	113	108
880-41511-6	C-81 3'	109	97
880-41511-7	C-66 3'	115	102
880-41511-8	C-67 3'	106	103
880-41511-9	C-74 0-4'	114	100
880-41511-10	C-76 0-3'	119	106
LCS 880-76825/1-A	Lab Control Sample	102	100
LCSD 880-76825/2-A	Lab Control Sample Dup	99	103
MB 880-76825/5-A	Method Blank	137 S1+	111

Surrogate Legend

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

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

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

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
		Percent Surrogate Recovery (Acceptance Limits)	
880-41511-1	C-46 3'	105	89
880-41511-2	C-68 3'	105	89
880-41511-3	C-60 3'	108	91
880-41511-4	C-79 3'	101	84
880-41511-5	C-80 3'	112	92
880-41511-5 MS	C-80 3'	115	91
880-41511-5 MSD	C-80 3'	114	89
880-41511-6	C-81 3'	110	91
880-41511-7	C-66 3'	119	98
880-41511-8	C-67 3'	115	95
880-41511-9	C-74 0-4'	125	104
880-41511-10	C-76 0-3'	111	91
LCS 880-76744/2-A	Lab Control Sample	130	126
LCS 880-76837/2-A	Lab Control Sample	111	111
LCSD 880-76744/3-A	Lab Control Sample Dup	112	111
LCSD 880-76837/3-A	Lab Control Sample Dup	109	110
MB 880-76744/1-A	Method Blank	169 S1+	154 S1+
MB 880-76837/1-A	Method Blank	180 S1+	168 S1+

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-41511-1
SDG: 23-0105-04

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-76825/5-A
Matrix: Solid
Analysis Batch: 76772

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 76825

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/24 10:40	03/28/24 14:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/24 10:40	03/28/24 14:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/24 10:40	03/28/24 14:13	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/28/24 10:40	03/28/24 14:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/24 10:40	03/28/24 14:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/28/24 10:40	03/28/24 14:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*03/28/24 10:40*	*03/28/24 14:13*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*03/28/24 10:40*	*03/28/24 14:13*	*1*

Lab Sample ID: LCS 880-76825/1-A
Matrix: Solid
Analysis Batch: 76772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 76825

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1020		mg/Kg		102	70 - 130		
Toluene			0.100	0.09633		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.1016		mg/Kg		102	70 - 130		
m,p-Xylenes			0.200	0.1876		mg/Kg		94	70 - 130		
o-Xylene			0.100	0.1001		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-76825/2-A
Matrix: Solid
Analysis Batch: 76772

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 76825

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1091		mg/Kg		109	70 - 130	7	35
Toluene			0.100	0.09602		mg/Kg		96	70 - 130	0	35
Ethylbenzene			0.100	0.1068		mg/Kg		107	70 - 130	5	35
m,p-Xylenes			0.200	0.2116		mg/Kg		106	70 - 130	12	35
o-Xylene			0.100	0.1058		mg/Kg		106	70 - 130	5	35

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

Lab Sample ID: 880-41511-1 MS
Matrix: Solid
Analysis Batch: 76772

Client Sample ID: C-46 3'
Prep Type: Total/NA
Prep Batch: 76825

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.0996	0.09425		mg/Kg		95	70 - 130		
Toluene	<0.00198	U	0.0996	0.08933		mg/Kg		90	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

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

Lab Sample ID: 880-41511-1 MS **Client Sample ID: C-46 3'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 76772 **Prep Batch: 76825**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.0996	0.08822		mg/Kg		89	70 - 130
m,p-Xylenes	<0.00396	U	0.199	0.1874		mg/Kg		94	70 - 130
o-Xylene	<0.00198	U	0.0996	0.09309		mg/Kg		93	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-41511-1 MSD **Client Sample ID: C-46 3'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 76772 **Prep Batch: 76825**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.1020		mg/Kg		102	70 - 130	8	35
Toluene	<0.00198	U	0.100	0.09158		mg/Kg		91	70 - 130	2	35
Ethylbenzene	<0.00198	U	0.100	0.1036		mg/Kg		103	70 - 130	16	35
m,p-Xylenes	<0.00396	U	0.201	0.2077		mg/Kg		103	70 - 130	10	35
o-Xylene	<0.00198	U	0.100	0.1018		mg/Kg		101	70 - 130	9	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-76744/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 76762 **Prep Batch: 76744**

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		03/28/24 08:27	03/28/24 09:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/28/24 08:27	03/28/24 09:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/28/24 08:27	03/28/24 09:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*169*	*S1+*	*70 - 130*	*03/28/24 08:27*	*03/28/24 09:21*	*1*
o-Terphenyl (Surr)	*154*	*S1+*	*70 - 130*	*03/28/24 08:27*	*03/28/24 09:21*	*1*

Lab Sample ID: LCS 880-76744/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 76762 **Prep Batch: 76744**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	909.4		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1102		mg/Kg		110	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-41511-1
SDG: 23-0105-04

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

Lab Sample ID: LCS 880-76744/2-A
Matrix: Solid
Analysis Batch: 76762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 76744

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

Lab Sample ID: LCSD 880-76744/3-A
Matrix: Solid
Analysis Batch: 76762

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 76744

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1093		mg/Kg		109	70 - 130	18	20
Diesel Range Organics (Over C10-C28)			1000	967.4		mg/Kg		97	70 - 130	13	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*112*		*70 - 130*
o-Terphenyl (Surr)	*111*		*70 - 130*

Lab Sample ID: MB 880-76837/1-A
Matrix: Solid
Analysis Batch: 76762

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 76837

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		03/28/24 10:56	03/28/24 20:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/24 10:56	03/28/24 20:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/24 10:56	03/28/24 20:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*180*	*S1+*	*70 - 130*	*03/28/24 10:56*	*03/28/24 20:48*	*1*
o-Terphenyl (Surr)	*168*	*S1+*	*70 - 130*	*03/28/24 10:56*	*03/28/24 20:48*	*1*

Lab Sample ID: LCS 880-76837/2-A
Matrix: Solid
Analysis Batch: 76762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 76837

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1069		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)			1000	953.0		mg/Kg		95	70 - 130

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

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

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

Lab Sample ID: LCSD 880-76837/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 76762 **Prep Batch: 76837**

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	5	20
Diesel Range Organics (Over C10-C28)			1000	958.6		mg/Kg		96	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*109*		*70 - 130*
o-Terphenyl (Surr)	*110*		*70 - 130*

Lab Sample ID: 880-41511-5 MS **Client Sample ID: C-80 3'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 76762 **Prep Batch: 76837**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	1235		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	995	951.9		mg/Kg		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*115*		*70 - 130*
o-Terphenyl (Surr)	*91*		*70 - 130*

Lab Sample ID: 880-41511-5 MSD **Client Sample ID: C-80 3'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 76762 **Prep Batch: 76837**

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	995	1233		mg/Kg		120	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	943.9		mg/Kg		93	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*114*		*70 - 130*
o-Terphenyl (Surr)	*89*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-76858/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 77052

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/03/24 08:27	1

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-76858/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 77052

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	233.1		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-76858/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 77052

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	231.0		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 880-41511-9 MS — **Client Sample ID: C-74 0-4'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 77052

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	156		250	414.6		mg/Kg		103	90 - 110		

Lab Sample ID: 880-41511-9 MSD — **Client Sample ID: C-74 0-4'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 77052

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	156		250	409.9		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-41511-1
SDG: 23-0105-04

GC VOA

Analysis Batch: 76772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41511-1	C-46 3'	Total/NA	Solid	8021B	76825
880-41511-2	C-68 3'	Total/NA	Solid	8021B	76825
880-41511-3	C-60 3'	Total/NA	Solid	8021B	76825
880-41511-4	C-79 3'	Total/NA	Solid	8021B	76825
880-41511-5	C-80 3'	Total/NA	Solid	8021B	76825
880-41511-6	C-81 3'	Total/NA	Solid	8021B	76825
880-41511-7	C-66 3'	Total/NA	Solid	8021B	76825
880-41511-8	C-67 3'	Total/NA	Solid	8021B	76825
880-41511-9	C-74 0-4'	Total/NA	Solid	8021B	76825
880-41511-10	C-76 0-3'	Total/NA	Solid	8021B	76825
MB 880-76825/5-A	Method Blank	Total/NA	Solid	8021B	76825
LCS 880-76825/1-A	Lab Control Sample	Total/NA	Solid	8021B	76825
LCSD 880-76825/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	76825
880-41511-1 MS	C-46 3'	Total/NA	Solid	8021B	76825
880-41511-1 MSD	C-46 3'	Total/NA	Solid	8021B	76825

Prep Batch: 76825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41511-1	C-46 3'	Total/NA	Solid	5035	
880-41511-2	C-68 3'	Total/NA	Solid	5035	
880-41511-3	C-60 3'	Total/NA	Solid	5035	
880-41511-4	C-79 3'	Total/NA	Solid	5035	
880-41511-5	C-80 3'	Total/NA	Solid	5035	
880-41511-6	C-81 3'	Total/NA	Solid	5035	
880-41511-7	C-66 3'	Total/NA	Solid	5035	
880-41511-8	C-67 3'	Total/NA	Solid	5035	
880-41511-9	C-74 0-4'	Total/NA	Solid	5035	
880-41511-10	C-76 0-3'	Total/NA	Solid	5035	
MB 880-76825/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-76825/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-76825/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-41511-1 MS	C-46 3'	Total/NA	Solid	5035	
880-41511-1 MSD	C-46 3'	Total/NA	Solid	5035	

Analysis Batch: 76965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41511-1	C-46 3'	Total/NA	Solid	Total BTEX	
880-41511-2	C-68 3'	Total/NA	Solid	Total BTEX	
880-41511-3	C-60 3'	Total/NA	Solid	Total BTEX	
880-41511-4	C-79 3'	Total/NA	Solid	Total BTEX	
880-41511-5	C-80 3'	Total/NA	Solid	Total BTEX	
880-41511-6	C-81 3'	Total/NA	Solid	Total BTEX	
880-41511-7	C-66 3'	Total/NA	Solid	Total BTEX	
880-41511-8	C-67 3'	Total/NA	Solid	Total BTEX	
880-41511-9	C-74 0-4'	Total/NA	Solid	Total BTEX	
880-41511-10	C-76 0-3'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

GC Semi VOA

Prep Batch: 76744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41511-1	C-46 3'	Total/NA	Solid	8015NM Prep	
880-41511-2	C-68 3'	Total/NA	Solid	8015NM Prep	
880-41511-3	C-60 3'	Total/NA	Solid	8015NM Prep	
880-41511-4	C-79 3'	Total/NA	Solid	8015NM Prep	
MB 880-76744/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-76744/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-76744/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 76762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41511-1	C-46 3'	Total/NA	Solid	8015B NM	76744
880-41511-2	C-68 3'	Total/NA	Solid	8015B NM	76744
880-41511-3	C-60 3'	Total/NA	Solid	8015B NM	76744
880-41511-4	C-79 3'	Total/NA	Solid	8015B NM	76744
880-41511-5	C-80 3'	Total/NA	Solid	8015B NM	76837
880-41511-6	C-81 3'	Total/NA	Solid	8015B NM	76837
880-41511-7	C-66 3'	Total/NA	Solid	8015B NM	76837
880-41511-8	C-67 3'	Total/NA	Solid	8015B NM	76837
880-41511-9	C-74 0-4'	Total/NA	Solid	8015B NM	76837
880-41511-10	C-76 0-3'	Total/NA	Solid	8015B NM	76837
MB 880-76744/1-A	Method Blank	Total/NA	Solid	8015B NM	76744
MB 880-76837/1-A	Method Blank	Total/NA	Solid	8015B NM	76837
LCS 880-76744/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	76744
LCS 880-76837/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	76837
LCSD 880-76744/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	76744
LCSD 880-76837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	76837
880-41511-5 MS	C-80 3'	Total/NA	Solid	8015B NM	76837
880-41511-5 MSD	C-80 3'	Total/NA	Solid	8015B NM	76837

Prep Batch: 76837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41511-5	C-80 3'	Total/NA	Solid	8015NM Prep	
880-41511-6	C-81 3'	Total/NA	Solid	8015NM Prep	
880-41511-7	C-66 3'	Total/NA	Solid	8015NM Prep	
880-41511-8	C-67 3'	Total/NA	Solid	8015NM Prep	
880-41511-9	C-74 0-4'	Total/NA	Solid	8015NM Prep	
880-41511-10	C-76 0-3'	Total/NA	Solid	8015NM Prep	
MB 880-76837/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-76837/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-76837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-41511-5 MS	C-80 3'	Total/NA	Solid	8015NM Prep	
880-41511-5 MSD	C-80 3'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 76923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41511-1	C-46 3'	Total/NA	Solid	8015 NM	
880-41511-2	C-68 3'	Total/NA	Solid	8015 NM	
880-41511-3	C-60 3'	Total/NA	Solid	8015 NM	
880-41511-4	C-79 3'	Total/NA	Solid	8015 NM	
880-41511-5	C-80 3'	Total/NA	Solid	8015 NM	
880-41511-6	C-81 3'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-41511-1
SDG: 23-0105-04

GC Semi VOA (Continued)

Analysis Batch: 76923 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41511-7	C-66 3'	Total/NA	Solid	8015 NM	
880-41511-8	C-67 3'	Total/NA	Solid	8015 NM	
880-41511-9	C-74 0-4'	Total/NA	Solid	8015 NM	
880-41511-10	C-76 0-3'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 76858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41511-1	C-46 3'	Soluble	Solid	DI Leach	
880-41511-2	C-68 3'	Soluble	Solid	DI Leach	
880-41511-3	C-60 3'	Soluble	Solid	DI Leach	
880-41511-4	C-79 3'	Soluble	Solid	DI Leach	
880-41511-5	C-80 3'	Soluble	Solid	DI Leach	
880-41511-6	C-81 3'	Soluble	Solid	DI Leach	
880-41511-7	C-66 3'	Soluble	Solid	DI Leach	
880-41511-8	C-67 3'	Soluble	Solid	DI Leach	
880-41511-9	C-74 0-4'	Soluble	Solid	DI Leach	
880-41511-10	C-76 0-3'	Soluble	Solid	DI Leach	
MB 880-76858/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-76858/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-76858/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-41511-9 MS	C-74 0-4'	Soluble	Solid	DI Leach	
880-41511-9 MSD	C-74 0-4'	Soluble	Solid	DI Leach	

Analysis Batch: 77052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41511-1	C-46 3'	Soluble	Solid	300.0	76858
880-41511-2	C-68 3'	Soluble	Solid	300.0	76858
880-41511-3	C-60 3'	Soluble	Solid	300.0	76858
880-41511-4	C-79 3'	Soluble	Solid	300.0	76858
880-41511-5	C-80 3'	Soluble	Solid	300.0	76858
880-41511-6	C-81 3'	Soluble	Solid	300.0	76858
880-41511-7	C-66 3'	Soluble	Solid	300.0	76858
880-41511-8	C-67 3'	Soluble	Solid	300.0	76858
880-41511-9	C-74 0-4'	Soluble	Solid	300.0	76858
880-41511-10	C-76 0-3'	Soluble	Solid	300.0	76858
MB 880-76858/1-A	Method Blank	Soluble	Solid	300.0	76858
LCS 880-76858/2-A	Lab Control Sample	Soluble	Solid	300.0	76858
LCSD 880-76858/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	76858
880-41511-9 MS	C-74 0-4'	Soluble	Solid	300.0	76858
880-41511-9 MSD	C-74 0-4'	Soluble	Solid	300.0	76858

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-41511-1
SDG: 23-0105-04

Client Sample ID: C-46 3'

Lab Sample ID: 880-41511-1
Matrix: Solid
Date Collected: 03/27/24 10:32
Date Received: 03/28/24 09:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	76825	03/28/24 10:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76772	03/28/24 14:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76965	03/28/24 14:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			76923	03/28/24 19:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	76744	03/28/24 13:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76762	03/28/24 19:04	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	76858	03/28/24 14:52	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	77052	04/03/24 08:56	SMC	EET MID

Client Sample ID: C-68 3'

Lab Sample ID: 880-41511-2
Matrix: Solid
Date Collected: 03/27/24 10:34
Date Received: 03/28/24 09:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	76825	03/28/24 10:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76772	03/28/24 15:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76965	03/28/24 15:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			76923	03/28/24 19:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	76744	03/28/24 13:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76762	03/28/24 19:25	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	76858	03/28/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77052	04/03/24 09:01	SMC	EET MID

Client Sample ID: C-60 3'

Lab Sample ID: 880-41511-3
Matrix: Solid
Date Collected: 03/27/24 10:42
Date Received: 03/28/24 09:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	76825	03/28/24 10:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76772	03/28/24 15:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76965	03/28/24 15:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			76923	03/28/24 19:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	76744	03/28/24 13:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76762	03/28/24 19:46	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	76858	03/28/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77052	04/03/24 09:06	SMC	EET MID

Client Sample ID: C-79 3'

Lab Sample ID: 880-41511-4
Matrix: Solid
Date Collected: 03/27/24 10:58
Date Received: 03/28/24 09:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	76825	03/28/24 10:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76772	03/28/24 15:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76965	03/28/24 15:43	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-41511-1
SDG: 23-0105-04

Client Sample ID: C-79 3'

Date Collected: 03/27/24 10:58
Date Received: 03/28/24 09:48

Lab Sample ID: 880-41511-4
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			76923	03/28/24 20:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	76744	03/28/24 13:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76762	03/28/24 20:06	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	76858	03/28/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77052	04/03/24 09:11	SMC	EET MID

Client Sample ID: C-80 3'

Date Collected: 03/27/24 11:07
Date Received: 03/28/24 09:48

Lab Sample ID: 880-41511-5
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	76825	03/28/24 10:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76772	03/28/24 16:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76965	03/28/24 16:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			76923	03/28/24 21:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	76837	03/28/24 10:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76762	03/28/24 21:51	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	76858	03/28/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77052	04/03/24 09:25	SMC	EET MID

Client Sample ID: C-81 3'

Date Collected: 03/27/24 11:15
Date Received: 03/28/24 09:48

Lab Sample ID: 880-41511-6
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	76825	03/28/24 10:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76772	03/28/24 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76965	03/28/24 16:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			76923	03/28/24 22:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	76837	03/28/24 10:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76762	03/28/24 22:55	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	76858	03/28/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77052	04/03/24 09:30	SMC	EET MID

Client Sample ID: C-66 3'

Date Collected: 03/27/24 11:34
Date Received: 03/28/24 09:48

Lab Sample ID: 880-41511-7
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			4.95 g	5 mL	76825	03/28/24 10:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76772	03/28/24 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76965	03/28/24 16:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			76923	03/28/24 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	76837	03/28/24 10:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76762	03/28/24 23:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-66 3' — Lab Sample ID: 880-41511-7

Date Collected: 03/27/24 11:34 **Matrix: Solid**
Date Received: 03/28/24 09:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	76858	03/28/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77052	04/03/24 09:35	SMC	EET MID

Client Sample ID: C-67 3' — Lab Sample ID: 880-41511-8

Date Collected: 03/27/24 11:47 **Matrix: Solid**
Date Received: 03/28/24 09:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	76825	03/28/24 10:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76772	03/28/24 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76965	03/28/24 17:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			76923	03/28/24 23:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	76837	03/28/24 10:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76762	03/28/24 23:38	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	76858	03/28/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77052	04/03/24 09:45	SMC	EET MID

Client Sample ID: C-74 0-4' — Lab Sample ID: 880-41511-9

Date Collected: 03/27/24 12:35 **Matrix: Solid**
Date Received: 03/28/24 09:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	76825	03/28/24 10:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76772	03/28/24 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76965	03/28/24 17:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			76923	03/28/24 23:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	76837	03/28/24 10:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76762	03/28/24 23:59	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	76858	03/28/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77052	04/03/24 09:49	SMC	EET MID

Client Sample ID: C-76 0-3' — Lab Sample ID: 880-41511-10

Date Collected: 03/27/24 12:47 **Matrix: Solid**
Date Received: 03/28/24 09:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	76825	03/28/24 10:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76772	03/28/24 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76965	03/28/24 17:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			76923	03/29/24 00:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	76837	03/28/24 10:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76762	03/29/24 00:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	76858	03/28/24 14:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77052	04/03/24 10:04	SMC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-41511-1
SDG: 23-0105-04

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

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. Job ID: 880-41511-1
Project/Site: Pony Riser SDG: 23-0105-04

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: Pony Riser

Job ID: 880-41511-1
SDG: 23-0105-04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-41511-1	C-46 3'	Solid	03/27/24 10:32	03/28/24 09:48
880-41511-2	C-68 3'	Solid	03/27/24 10:34	03/28/24 09:48
880-41511-3	C-60 3'	Solid	03/27/24 10:42	03/28/24 09:48
880-41511-4	C-79 3'	Solid	03/27/24 10:58	03/28/24 09:48
880-41511-5	C-80 3'	Solid	03/27/24 11:07	03/28/24 09:48
880-41511-6	C-81 3'	Solid	03/27/24 11:15	03/28/24 09:48
880-41511-7	C-66 3'	Solid	03/27/24 11:34	03/28/24 09:48
880-41511-8	C-67 3'	Solid	03/27/24 11:47	03/28/24 09:48
880-41511-9	C-74 0-4'	Solid	03/27/24 12:35	03/28/24 09:48
880-41511-10	C-76 0-3'	Solid	03/27/24 12:47	03/28/24 09:48

Released to Imaging: 3/4/2025 10:16:12 AM
Received by OCD: 11/14/2024 4:51:29 PM

41511

No. 3131

CHAIN-OF-CUSTODY

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

Data Reported to

DATE. 3/28/2024 PAGE 1 OF 1

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME PONY RISER

LAI PROJECT # 23-0105-04 COLLECTOR DSG

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State
MNT/NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PEC/HLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-46 3'		3/27/24	1032	S	1				X		X			X	X	X													X	202
C-68 3'			1034																											
C-60 3'			1042																											
C-79 3'			1058																											
C-80 3'			1107																											
C-81 3'			1115																											
C-66 3'			1134																											
C-67 3'			1147																											
C-74 0-4'			1235																											
C-76 0-3'			1247																											

TOTAL 10

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Daniel Gomez	3/28/2024	9:48
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

880-41511 Chain of Custody

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

LABORATORY USE ONLY:
RECEIVING TEMP 1.2/1.1 THERM# IR8 -10
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-41511-1
SDG Number: 23-0105-04

Login Number: 41511
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/24/2024 3:29:23 PM

JOB DESCRIPTION

Pony Riser Spill
23-0105-04

JOB NUMBER

880-42421-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/4/2025 10:16:12 AM

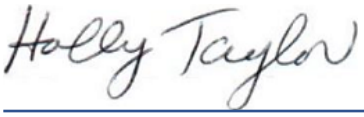
Eurofins Midland

Job Notes

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

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

Authorization



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4/24/2024 3:29:23 PM

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

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Released to Imaging: 3/4/2025 10:16:12 AM

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project: Pony Riser Spill

Job ID: 880-42421-1 Eurofins Midland

Job Narrative
880-42421-1

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: C-1, 9' (880-42421-1), C-3, 9' (880-42421-2), C-4, 7' (880-42421-3), C-5, 7' (880-42421-4), C-6, 7' (880-42421-5), C-7, 7' (880-42421-6), C-8, 7' (880-42421-7), SW-8, 4.1-7' (880-42421-8), SW-17, 4.1-7' (880-42421-9), SW-18, 4.1-7' (880-42421-10), SW-19, 4.1-7' (880-42421-11), SW-13, 4.1-7' (880-42421-12), SW-14, 4.1-7' (880-42421-13), SW-15, 4.1-6' (880-42421-14), SW-16, 4.1-7' (880-42421-15), C-52, 4.1 (880-42421-16), C-53, 4.1 (880-42421-17), C-54, 4.1 (880-42421-18), C-55, 4.1 (880-42421-19), C-56, 4.1 (880-42421-20), C-57, 4.1 (880-42421-21), C-58, 4.1 (880-42421-22), SW-16, 0-4.1 (880-42421-23), C-25, 4.1 (880-42421-24), C-27, 4.1 (880-42421-25), C-29, 4.1 (880-42421-26), C-31, 4.1 (880-42421-27), C-33, 4.1 (880-42421-28), C-43, 4.1 (880-42421-29), C-44, 4.1 (880-42421-30), C-47, 4.1 (880-42421-31), C-59, 4.1 (880-42421-32), SW-14, 0-4.1 (880-42421-33) and SW-15, 0-4.1 (880-42421-34).

GC VOA
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: The method blank for preparation batch 880-78639 and analytical batch 880-78565 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-78677 and analytical batch 880-78856 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-78676 and analytical batch 880-78766 was outside the control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-78766 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 880-78766/20).

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.

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Released to Imaging: 3/4/2025 10:16:12 AM

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project: Pony Riser Spill

Job ID: 880-42421-1 (Continued) Eurofins Midland

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-78764 and analytical batch 880-78879 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-78769 and analytical batch 880-79001 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-78769 and analytical batch 880-79001 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-78769 and analytical batch 880-79001 was outside control limits. Sample non-homogeneity is suspected.

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 duplicate (MSD) recoveries for preparation batch 880-78719 and analytical batch 880-78909 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

C-47, 4.1 (880-42421-31), C-59, 4.1 (880-42421-32), SW-14, 0-4.1 (880-42421-33), SW-15, 0-4.1 (880-42421-34) and (880-42421-A-31-D MSD)

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: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-1, 9'

Date Collected: 04/15/24 11:00
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/20/24 21:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/20/24 21:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/20/24 21:45	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/18/24 15:57	04/20/24 21:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/20/24 21:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/24 15:57	04/20/24 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/18/24 15:57*	*04/20/24 21:45*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*04/18/24 15:57*	*04/20/24 21:45*	*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			04/20/24 21:45	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 15:27	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	<49.9	U	49.9		mg/Kg		04/18/24 12:54	04/19/24 15:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/18/24 12:54	04/19/24 15:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/18/24 12:54	04/19/24 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*04/18/24 12:54*	*04/19/24 15:27*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*04/18/24 12:54*	*04/19/24 15:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8190**		49.9		mg/Kg			04/20/24 10:27	10

Client Sample ID: C-3, 9'

Date Collected: 04/15/24 11:04
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/20/24 22:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/20/24 22:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/20/24 22:11	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/18/24 15:57	04/20/24 22:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/20/24 22:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/18/24 15:57	04/20/24 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/18/24 15:57*	*04/20/24 22:11*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/18/24 15:57*	*04/20/24 22:11*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-3, 9'

Date Collected: 04/15/24 11:04
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/20/24 22:11	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 15:48	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	<49.9	U	49.9		mg/Kg		04/18/24 12:54	04/19/24 15:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/18/24 12:54	04/19/24 15:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/18/24 12:54	04/19/24 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*04/18/24 12:54*	*04/19/24 15:48*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*04/18/24 12:54*	*04/19/24 15:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13800**		101		mg/Kg			04/20/24 10:46	20

Client Sample ID: C-4, 7'

Date Collected: 04/15/24 11:06
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:57	04/20/24 22:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:57	04/20/24 22:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:57	04/20/24 22:38	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		04/18/24 15:57	04/20/24 22:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:57	04/20/24 22:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/18/24 15:57	04/20/24 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/18/24 15:57*	*04/20/24 22:38*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/18/24 15:57*	*04/20/24 22:38*	*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			04/20/24 22:38	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			04/19/24 16:09	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		04/18/24 12:54	04/19/24 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/18/24 12:54	04/19/24 16:09	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-4, 7'

Date Collected: 04/15/24 11:06
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-3
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)	<50.0	U	50.0		mg/Kg		04/18/24 12:54	04/19/24 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*04/18/24 12:54*	*04/19/24 16:09*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*04/18/24 12:54*	*04/19/24 16:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11500**		99.0		mg/Kg			04/20/24 10:52	20

Client Sample ID: C-5, 7'

Date Collected: 04/15/24 11:08
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/20/24 23:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/20/24 23:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/20/24 23:04	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/18/24 15:57	04/20/24 23:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/20/24 23:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/24 15:57	04/20/24 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/18/24 15:57*	*04/20/24 23:04*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/18/24 15:57*	*04/20/24 23:04*	*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			04/20/24 23:04	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			04/19/24 16:31	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	<50.3	U	50.3		mg/Kg		04/18/24 12:54	04/19/24 16:31	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/18/24 12:54	04/19/24 16:31	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/18/24 12:54	04/19/24 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*04/18/24 12:54*	*04/19/24 16:31*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*04/18/24 12:54*	*04/19/24 16:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**901**		5.00		mg/Kg			04/20/24 11:11	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-6, 7'

Date Collected: 04/15/24 11:11
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-5
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		04/18/24 15:57	04/20/24 23:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/20/24 23:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/20/24 23:31	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/18/24 15:57	04/20/24 23:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/20/24 23:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/18/24 15:57	04/20/24 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*04/18/24 15:57*	*04/20/24 23:31*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:57*	*04/20/24 23:31*	*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			04/20/24 23:31	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/19/24 16:52	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	<50.1	U	50.1		mg/Kg		04/18/24 12:54	04/19/24 16:52	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/18/24 12:54	04/19/24 16:52	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/18/24 12:54	04/19/24 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*04/18/24 12:54*	*04/19/24 16:52*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*04/18/24 12:54*	*04/19/24 16:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1920**		25.2		mg/Kg			04/20/24 11:17	5

Client Sample ID: C-7, 7'

Date Collected: 04/15/24 11:13
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/20/24 23:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/20/24 23:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/20/24 23:57	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/18/24 15:57	04/20/24 23:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/20/24 23:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/18/24 15:57	04/20/24 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:57*	*04/20/24 23:57*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:57*	*04/20/24 23:57*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-7, 7'

Lab Sample ID: 880-42421-6
Matrix: Solid
Date Collected: 04/15/24 11:13
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	<0.00399	U	0.00399		mg/Kg			04/20/24 23:57	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			04/19/24 17:13	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	<50.4	U	50.4		mg/Kg		04/18/24 12:54	04/19/24 17:13	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/18/24 12:54	04/19/24 17:13	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/18/24 12:54	04/19/24 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*04/18/24 12:54*	*04/19/24 17:13*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*04/18/24 12:54*	*04/19/24 17:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2520**		24.9		mg/Kg			04/20/24 11:24	5

Client Sample ID: C-8, 7'

Lab Sample ID: 880-42421-7
Matrix: Solid
Date Collected: 04/15/24 11:14
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	<0.00202	U	0.00202		mg/Kg		04/18/24 15:57	04/21/24 00:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:57	04/21/24 00:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:57	04/21/24 00:23	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		04/18/24 15:57	04/21/24 00:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:57	04/21/24 00:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/18/24 15:57	04/21/24 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/18/24 15:57*	*04/21/24 00:23*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/18/24 15:57*	*04/21/24 00:23*	*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			04/21/24 00:23	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			04/19/24 17:35	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	<50.5	U	50.5		mg/Kg		04/18/24 12:54	04/19/24 17:35	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/18/24 12:54	04/19/24 17:35	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-8, 7'

Lab Sample ID: 880-42421-7
Matrix: Solid
Date Collected: 04/15/24 11:14
Date Received: 04/18/24 08:49

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		04/18/24 12:54	04/19/24 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*119*		*70 - 130*	*04/18/24 12:54*	*04/19/24 17:35*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*04/18/24 12:54*	*04/19/24 17:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3400**		24.9		mg/Kg			04/20/24 11:30	5

Client Sample ID: SW-8, 4.1-7'

Lab Sample ID: 880-42421-8
Matrix: Solid
Date Collected: 04/15/24 11:15
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	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/21/24 00:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/21/24 00:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/21/24 00:50	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		04/18/24 15:57	04/21/24 00:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/21/24 00:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/18/24 15:57	04/21/24 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/18/24 15:57*	*04/21/24 00:50*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:57*	*04/21/24 00:50*	*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			04/21/24 00:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/19/24 17:56	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/18/24 12:54	04/19/24 17:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/18/24 12:54	04/19/24 17:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/18/24 12:54	04/19/24 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*04/18/24 12:54*	*04/19/24 17:56*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*04/18/24 12:54*	*04/19/24 17:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30100**		249		mg/Kg			04/20/24 11:36	50

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: SW-17, 4.1-7'

Date Collected: 04/15/24 11:20
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/21/24 01:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/21/24 01:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/21/24 01:16	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/18/24 15:57	04/21/24 01:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/21/24 01:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/24 15:57	04/21/24 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/18/24 15:57*	*04/21/24 01:16*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/18/24 15:57*	*04/21/24 01:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/21/24 01:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/19/24 18:16	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		04/18/24 12:54	04/19/24 18:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/18/24 12:54	04/19/24 18:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/18/24 12:54	04/19/24 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*04/18/24 12:54*	*04/19/24 18:16*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*04/18/24 12:54*	*04/19/24 18:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**78.7**		4.96		mg/Kg			04/20/24 11:43	1

Client Sample ID: SW-18, 4.1-7'

Date Collected: 04/15/24 11:22
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 01:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 01:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 01:42	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		04/18/24 15:57	04/21/24 01:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 01:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/18/24 15:57	04/21/24 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/18/24 15:57*	*04/21/24 01:42*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:57*	*04/21/24 01:42*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: SW-18, 4.1-7'

Lab Sample ID: 880-42421-10
Matrix: Solid
Date Collected: 04/15/24 11:22
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	<0.00396	U	0.00396		mg/Kg			04/21/24 01:42	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			04/22/24 15:14	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 13:38	04/22/24 15:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 13:38	04/22/24 15:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 13:38	04/22/24 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*77*		*70 - 130*	*04/19/24 13:38*	*04/22/24 15:14*	*1*
o-Terphenyl (Surr)	*72*		*70 - 130*	*04/19/24 13:38*	*04/22/24 15:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3400**		25.1		mg/Kg			04/20/24 11:49	5

Client Sample ID: SW-19, 4.1-7'

Lab Sample ID: 880-42421-11
Matrix: Solid
Date Collected: 04/15/24 11:24
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 15:57	04/21/24 03:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/21/24 03:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/21/24 03:28	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/18/24 15:57	04/21/24 03:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/21/24 03:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/18/24 15:57	04/21/24 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/18/24 15:57*	*04/21/24 03:28*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/18/24 15:57*	*04/21/24 03:28*	*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			04/21/24 03:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/22/24 15:35	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	<49.9	U	49.9		mg/Kg		04/19/24 13:38	04/22/24 15:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 13:38	04/22/24 15:35	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

Client Sample ID: SW-19, 4.1-7' Lab Sample ID: 880-42421-11

Date Collected: 04/15/24 11:24 **Matrix: Solid**
Date Received: 04/18/24 08:49

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		04/19/24 13:38	04/22/24 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*04/19/24 13:38*	*04/22/24 15:35*	*1*
o-Terphenyl (Surr)	*115*		*70 - 130*	*04/19/24 13:38*	*04/22/24 15:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1470**		25.2		mg/Kg			04/20/24 17:22	5

Client Sample ID: SW-13, 4.1-7' Lab Sample ID: 880-42421-12

Date Collected: 04/15/24 11:31 **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 15:57	04/21/24 03:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/21/24 03:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/21/24 03:55	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/18/24 15:57	04/21/24 03:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/21/24 03:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/18/24 15:57	04/21/24 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/18/24 15:57*	*04/21/24 03:55*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*04/18/24 15:57*	*04/21/24 03:55*	*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			04/21/24 03:55	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			04/22/24 15:57	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	<49.9	U	49.9		mg/Kg		04/19/24 13:38	04/22/24 15:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 13:38	04/22/24 15:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 13:38	04/22/24 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*85*		*70 - 130*	*04/19/24 13:38*	*04/22/24 15:57*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*04/19/24 13:38*	*04/22/24 15:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6980**		50.5		mg/Kg			04/20/24 17:41	10

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: SW-14, 4.1-7'

Lab Sample ID: 880-42421-13
Matrix: Solid
Date Collected: 04/15/24 11:34
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	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 04:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 04:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 04:21	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		04/18/24 15:57	04/21/24 04:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 04:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/18/24 15:57	04/21/24 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/18/24 15:57*	*04/21/24 04:21*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/18/24 15:57*	*04/21/24 04:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/21/24 04:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/22/24 16:18	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	<49.8	U	49.8		mg/Kg		04/19/24 13:38	04/22/24 16:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 13:38	04/22/24 16:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 13:38	04/22/24 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*04/19/24 13:38*	*04/22/24 16:18*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*04/19/24 13:38*	*04/22/24 16:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		5.02		mg/Kg			04/20/24 17:47	1

Client Sample ID: SW-15, 4.1-6'

Lab Sample ID: 880-42421-14
Matrix: Solid
Date Collected: 04/15/24 11:41
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	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 04:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 04:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 04:47	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		04/18/24 15:57	04/21/24 04:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 04:47	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/18/24 15:57	04/21/24 04:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:57*	*04/21/24 04:47*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*04/18/24 15:57*	*04/21/24 04:47*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

Client Sample ID: SW-15, 4.1-6' Lab Sample ID: 880-42421-14

Date Collected: 04/15/24 11:41 **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	<0.00397	U	0.00397		mg/Kg			04/21/24 04:47	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			04/22/24 16:39	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	<49.8	U	49.8		mg/Kg		04/19/24 13:38	04/22/24 16:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 13:38	04/22/24 16:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 13:38	04/22/24 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*73*		*70 - 130*	*04/19/24 13:38*	*04/22/24 16:39*	*1*
o-Terphenyl (Surr)	*70*		*70 - 130*	*04/19/24 13:38*	*04/22/24 16:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11600**		101		mg/Kg			04/20/24 17:54	20

Client Sample ID: SW-16, 4.1-7' Lab Sample ID: 880-42421-15

Date Collected: 04/15/24 11:45 **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	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/21/24 05:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/21/24 05:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/21/24 05:14	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/18/24 15:57	04/21/24 05:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/21/24 05:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/18/24 15:57	04/21/24 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*04/18/24 15:57*	*04/21/24 05:14*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/18/24 15:57*	*04/21/24 05:14*	*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			04/21/24 05:14	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			04/22/24 17:01	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/19/24 13:38	04/22/24 17:01	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/19/24 13:38	04/22/24 17:01	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

Client Sample ID: SW-16, 4.1-7' Lab Sample ID: 880-42421-15

Date Collected: 04/15/24 11:45 **Matrix: Solid**
Date Received: 04/18/24 08:49

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		04/19/24 13:38	04/22/24 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*04/19/24 13:38*	*04/22/24 17:01*	*1*
o-Terphenyl (Surr)	*86*		*70 - 130*	*04/19/24 13:38*	*04/22/24 17:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4330**		49.8		mg/Kg			04/20/24 18:00	10

Client Sample ID: C-52, 4.1 Lab Sample ID: 880-42421-16

Date Collected: 04/16/24 11:55 **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	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/21/24 05:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/21/24 05:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/21/24 05:40	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/18/24 15:57	04/21/24 05:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/21/24 05:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/18/24 15:57	04/21/24 05:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/18/24 15:57*	*04/21/24 05:40*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*04/18/24 15:57*	*04/21/24 05:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/21/24 05:40	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			04/22/24 17:22	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 13:38	04/22/24 17:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 13:38	04/22/24 17:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 13:38	04/22/24 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*04/19/24 13:38*	*04/22/24 17:22*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*04/19/24 13:38*	*04/22/24 17:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		4.99		mg/Kg			04/20/24 18:19	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-53, 4.1

Lab Sample ID: 880-42421-17
Matrix: Solid
Date Collected: 04/16/24 11:56
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	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 06:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 06:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 06:07	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		04/18/24 15:57	04/21/24 06:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:57	04/21/24 06:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/18/24 15:57	04/21/24 06:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/18/24 15:57*	*04/21/24 06:07*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/18/24 15:57*	*04/21/24 06:07*	*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			04/21/24 06:07	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/22/24 17:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 13:38	04/22/24 17:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 13:38	04/22/24 17:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 13:38	04/22/24 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*04/19/24 13:38*	*04/22/24 17:43*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*04/19/24 13:38*	*04/22/24 17:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**215**		5.04		mg/Kg			04/20/24 18:25	1

Client Sample ID: C-54, 4.1

Lab Sample ID: 880-42421-18
Matrix: Solid
Date Collected: 04/16/24 11:59
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 15:57	04/21/24 06:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/21/24 06:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/21/24 06:33	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/18/24 15:57	04/21/24 06:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:57	04/21/24 06:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/18/24 15:57	04/21/24 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:57*	*04/21/24 06:33*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*04/18/24 15:57*	*04/21/24 06:33*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-54, 4.1

Date Collected: 04/16/24 11:59
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-18
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/21/24 06:33	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			04/22/24 18:04	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	<49.9	U	49.9		mg/Kg		04/19/24 13:38	04/22/24 18:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 13:38	04/22/24 18:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 13:38	04/22/24 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*04/19/24 13:38*	*04/22/24 18:04*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*04/19/24 13:38*	*04/22/24 18:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**542**		5.02		mg/Kg			04/20/24 18:32	1

Client Sample ID: C-55, 4.1

Date Collected: 04/16/24 12:00
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:57	04/21/24 06:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:57	04/21/24 06:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:57	04/21/24 06:59	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		04/18/24 15:57	04/21/24 06:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:57	04/21/24 06:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/18/24 15:57	04/21/24 06:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/18/24 15:57*	*04/21/24 06:59*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/18/24 15:57*	*04/21/24 06:59*	*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			04/21/24 06:59	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			04/22/24 18:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/19/24 13:38	04/22/24 18:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 13:38	04/22/24 18:25	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

Client Sample ID: C-55, 4.1 Lab Sample ID: 880-42421-19

Date Collected: 04/16/24 12:00 **Matrix: Solid**
Date Received: 04/18/24 08:49

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		04/19/24 13:38	04/22/24 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*04/19/24 13:38*	*04/22/24 18:25*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*04/19/24 13:38*	*04/22/24 18:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5690**		50.5		mg/Kg			04/20/24 18:38	10

Client Sample ID: C-56, 4.1 Lab Sample ID: 880-42421-20

Date Collected: 04/16/24 12:02 **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 15:57	04/21/24 07:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/21/24 07:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/21/24 07:26	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/18/24 15:57	04/21/24 07:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:57	04/21/24 07:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/24 15:57	04/21/24 07:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*04/18/24 15:57*	*04/21/24 07:26*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/18/24 15:57*	*04/21/24 07:26*	*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			04/21/24 07:26	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			04/23/24 10:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	50.0		mg/Kg		04/19/24 13:48	04/23/24 10:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 13:48	04/23/24 10:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 13:48	04/23/24 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*04/19/24 13:48*	*04/23/24 10:44*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*04/19/24 13:48*	*04/23/24 10:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3450**		24.8		mg/Kg			04/20/24 18:44	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-57, 4.1

Lab Sample ID: 880-42421-21
Matrix: Solid
Date Collected: 04/16/24 12:04
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 15:58	04/20/24 19:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:58	04/20/24 19:58	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		04/18/24 15:58	04/20/24 19:58	1
m,p-Xylenes	<0.00398	U F1	0.00398		mg/Kg		04/18/24 15:58	04/20/24 19:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:58	04/20/24 19:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/24 15:58	04/20/24 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/18/24 15:58*	*04/20/24 19:58*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:58*	*04/20/24 19:58*	*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			04/20/24 19:58	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			04/23/24 11:26	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		04/19/24 13:48	04/23/24 11:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 13:48	04/23/24 11:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 13:48	04/23/24 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*04/19/24 13:48*	*04/23/24 11:26*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*04/19/24 13:48*	*04/23/24 11:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5910**		49.8		mg/Kg			04/20/24 18:50	10

Client Sample ID: C-58, 4.1

Lab Sample ID: 880-42421-22
Matrix: Solid
Date Collected: 04/16/24 12:10
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 15:58	04/20/24 20:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:58	04/20/24 20:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:58	04/20/24 20:19	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/18/24 15:58	04/20/24 20:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/18/24 15:58	04/20/24 20:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/18/24 15:58	04/20/24 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/18/24 15:58*	*04/20/24 20:19*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:58*	*04/20/24 20:19*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-58, 4.1

Date Collected: 04/16/24 12:10
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/20/24 20:19	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/23/24 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/19/24 13:48	04/23/24 11:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 13:48	04/23/24 11:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 13:48	04/23/24 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*04/19/24 13:48*	*04/23/24 11:47*	*1*
o-Terphenyl (Surr)	*82*		*70 - 130*	*04/19/24 13:48*	*04/23/24 11:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4520**		50.4		mg/Kg			04/20/24 19:09	10

Client Sample ID: SW-16, 0-4.1

Date Collected: 04/16/24 11:06
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:58	04/20/24 20:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:58	04/20/24 20:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:58	04/20/24 20:39	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		04/18/24 15:58	04/20/24 20:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:58	04/20/24 20:39	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/18/24 15:58	04/20/24 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*04/18/24 15:58*	*04/20/24 20:39*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:58*	*04/20/24 20:39*	*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			04/20/24 20:39	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			04/23/24 12:08	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		04/19/24 13:48	04/23/24 12:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 13:48	04/23/24 12:08	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

Client Sample ID: SW-16, 0-4.1 Lab Sample ID: 880-42421-23

Date Collected: 04/16/24 11:06 **Matrix: Solid**
Date Received: 04/18/24 08:49

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		04/19/24 13:48	04/23/24 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*04/19/24 13:48*	*04/23/24 12:08*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*04/19/24 13:48*	*04/23/24 12:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.9**		4.95		mg/Kg			04/20/24 19:16	1

Client Sample ID: C-25, 4.1 Lab Sample ID: 880-42421-24

Date Collected: 04/17/24 11:25 **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 15:58	04/20/24 21:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:58	04/20/24 21:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:58	04/20/24 21:00	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/18/24 15:58	04/20/24 21:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:58	04/20/24 21:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/24 15:58	04/20/24 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/18/24 15:58*	*04/20/24 21:00*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/18/24 15:58*	*04/20/24 21:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/20/24 21:00	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			04/23/24 12:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 13:48	04/23/24 12:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 13:48	04/23/24 12:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 13:48	04/23/24 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*04/19/24 13:48*	*04/23/24 12:30*	*1*
o-Terphenyl (Surr)	*76*		*70 - 130*	*04/19/24 13:48*	*04/23/24 12:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**550**		5.04		mg/Kg			04/20/24 19:35	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-27, 4.1

Lab Sample ID: 880-42421-25
Matrix: Solid
Date Collected: 04/17/24 11:24
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	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 21:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 21:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 21:20	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/18/24 15:58	04/20/24 21:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 21:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/18/24 15:58	04/20/24 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/18/24 15:58*	*04/20/24 21:20*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:58*	*04/20/24 21:20*	*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			04/20/24 21:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/23/24 12:51	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		04/19/24 13:48	04/23/24 12:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/19/24 13:48	04/23/24 12:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/19/24 13:48	04/23/24 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*04/19/24 13:48*	*04/23/24 12:51*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*04/19/24 13:48*	*04/23/24 12:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**650**		4.96		mg/Kg			04/20/24 19:41	1

Client Sample ID: C-29, 4.1

Lab Sample ID: 880-42421-26
Matrix: Solid
Date Collected: 04/17/24 11:23
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	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 21:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 21:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 21:40	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/18/24 15:58	04/20/24 21:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 21:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/18/24 15:58	04/20/24 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*04/18/24 15:58*	*04/20/24 21:40*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:58*	*04/20/24 21:40*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-29, 4.1

Date Collected: 04/17/24 11:23
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-26
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/20/24 21:40	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			04/23/24 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/19/24 13:48	04/23/24 13:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/19/24 13:48	04/23/24 13:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/19/24 13:48	04/23/24 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*04/19/24 13:48*	*04/23/24 13:12*	*1*
o-Terphenyl (Surr)	*86*		*70 - 130*	*04/19/24 13:48*	*04/23/24 13:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**839**		4.96		mg/Kg			04/20/24 19:47	1

Client Sample ID: C-31, 4.1

Date Collected: 04/17/24 11:22
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:58	04/20/24 22:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:58	04/20/24 22:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:58	04/20/24 22:01	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		04/18/24 15:58	04/20/24 22:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/18/24 15:58	04/20/24 22:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/18/24 15:58	04/20/24 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/18/24 15:58*	*04/20/24 22:01*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/18/24 15:58*	*04/20/24 22:01*	*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			04/20/24 22:01	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			04/23/24 13:33	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	<49.7	U	49.7		mg/Kg		04/19/24 13:48	04/23/24 13:33	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/19/24 13:48	04/23/24 13:33	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

Client Sample ID: C-31, 4.1 — Lab Sample ID: 880-42421-27

Date Collected: 04/17/24 11:22 **Matrix: Solid**
Date Received: 04/18/24 08:49

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		04/19/24 13:48	04/23/24 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*04/19/24 13:48*	*04/23/24 13:33*	*1*
o-Terphenyl (Surr)	*78*		*70 - 130*	*04/19/24 13:48*	*04/23/24 13:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1510**		25.3		mg/Kg			04/20/24 19:54	5

Client Sample ID: C-33, 4.1 — Lab Sample ID: 880-42421-28

Date Collected: 04/17/24 11:30 **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	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 22:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 22:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 22:21	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		04/18/24 15:58	04/20/24 22:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 22:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/18/24 15:58	04/20/24 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*04/18/24 15:58*	*04/20/24 22:21*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:58*	*04/20/24 22:21*	*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			04/20/24 22:21	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			04/23/24 13:55	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	<49.6	U	49.6		mg/Kg		04/19/24 13:48	04/23/24 13:55	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/19/24 13:48	04/23/24 13:55	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/19/24 13:48	04/23/24 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*04/19/24 13:48*	*04/23/24 13:55*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*04/19/24 13:48*	*04/23/24 13:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**997**		5.05		mg/Kg			04/20/24 20:00	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-43, 4.1

Lab Sample ID: 880-42421-29
Matrix: Solid
Date Collected: 04/17/24 11:32
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 15:58	04/20/24 22:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:58	04/20/24 22:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:58	04/20/24 22:42	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/18/24 15:58	04/20/24 22:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/24 15:58	04/20/24 22:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/24 15:58	04/20/24 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/18/24 15:58*	*04/20/24 22:42*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/18/24 15:58*	*04/20/24 22:42*	*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			04/20/24 22:42	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			04/23/24 14:16	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	<49.5	U	49.5		mg/Kg		04/19/24 13:48	04/23/24 14:16	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		04/19/24 13:48	04/23/24 14:16	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		04/19/24 13:48	04/23/24 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*04/19/24 13:48*	*04/23/24 14:16*	*1*
o-Terphenyl (Surr)	*78*		*70 - 130*	*04/19/24 13:48*	*04/23/24 14:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1820**		25.2		mg/Kg			04/20/24 20:06	5

Client Sample ID: C-44, 4.1

Lab Sample ID: 880-42421-30
Matrix: Solid
Date Collected: 04/17/24 11:28
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	<0.00198	U	0.00198		mg/Kg		04/18/24 15:58	04/20/24 23:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:58	04/20/24 23:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:58	04/20/24 23:02	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		04/18/24 15:58	04/20/24 23:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/18/24 15:58	04/20/24 23:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/18/24 15:58	04/20/24 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*04/18/24 15:58*	*04/20/24 23:02*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 15:58*	*04/20/24 23:02*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

Client Sample ID: C-44, 4.1 — Lab Sample ID: 880-42421-30

Date Collected: 04/17/24 11:28 **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	<0.00396	U	0.00396		mg/Kg			04/20/24 23:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/23/24 14:58	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	<50.0	U	50.0		mg/Kg		04/19/24 13:48	04/23/24 14:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 13:48	04/23/24 14:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 13:48	04/23/24 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*04/19/24 13:48*	*04/23/24 14:58*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*04/19/24 13:48*	*04/23/24 14:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6480**		50.3		mg/Kg			04/20/24 20:12	10

Client Sample ID: C-47, 4.1 — Lab Sample ID: 880-42421-31

Date Collected: 04/17/24 11:29 **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 13:36	04/19/24 00:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/18/24 13:36	04/19/24 00:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/18/24 13:36	04/19/24 00:18	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/18/24 13:36	04/19/24 00:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/18/24 13:36	04/19/24 00:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/18/24 13:36	04/19/24 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*04/18/24 13:36*	*04/19/24 00:18*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/18/24 13:36*	*04/19/24 00:18*	*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			04/19/24 00:18	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			04/23/24 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/19/24 13:48	04/23/24 15:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 13:48	04/23/24 15:20	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

Client Sample ID: C-47, 4.1 Lab Sample ID: 880-42421-31

Date Collected: 04/17/24 11:29 **Matrix: Solid**
Date Received: 04/18/24 08:49

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		04/19/24 13:48	04/23/24 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*04/19/24 13:48*	*04/23/24 15:20*	*1*
o-Terphenyl (Surr)	*80*		*70 - 130*	*04/19/24 13:48*	*04/23/24 15:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3790**	**F1**	25.2		mg/Kg			04/22/24 09:31	5

Client Sample ID: C-59, 4.1 Lab Sample ID: 880-42421-32

Date Collected: 04/17/24 11:20 **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	<0.00202	U	0.00202		mg/Kg		04/18/24 13:36	04/19/24 00:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/18/24 13:36	04/19/24 00:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/18/24 13:36	04/19/24 00:39	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		04/18/24 13:36	04/19/24 00:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/18/24 13:36	04/19/24 00:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/18/24 13:36	04/19/24 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*04/18/24 13:36*	*04/19/24 00:39*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/18/24 13:36*	*04/19/24 00:39*	*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			04/19/24 00:39	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			04/23/24 15:41	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/19/24 13:48	04/23/24 15:41	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/19/24 13:48	04/23/24 15:41	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/19/24 13:48	04/23/24 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*04/19/24 13:48*	*04/23/24 15:41*	*1*
o-Terphenyl (Surr)	*76*		*70 - 130*	*04/19/24 13:48*	*04/23/24 15:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**443**		4.99		mg/Kg			04/22/24 09:45	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: SW-14, 0-4.1

Lab Sample ID: 880-42421-33
Matrix: Solid
Date Collected: 04/17/24 12:28
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	<0.00200	U	0.00200		mg/Kg		04/18/24 13:36	04/19/24 00:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/24 13:36	04/19/24 00:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/24 13:36	04/19/24 00:59	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/18/24 13:36	04/19/24 00:59	1
o-Xylene	**0.00206**		0.00200		mg/Kg		04/18/24 13:36	04/19/24 00:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/18/24 13:36	04/19/24 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*04/18/24 13:36*	*04/19/24 00:59*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/18/24 13:36*	*04/19/24 00:59*	*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			04/19/24 00:59	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/23/24 16:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/19/24 13:48	04/23/24 16:02	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/19/24 13:48	04/23/24 16:02	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/19/24 13:48	04/23/24 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*04/19/24 13:48*	*04/23/24 16:02*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*04/19/24 13:48*	*04/23/24 16:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.4**		5.00		mg/Kg			04/22/24 09:50	1

Client Sample ID: SW-15, 0-4.1

Lab Sample ID: 880-42421-34
Matrix: Solid
Date Collected: 04/17/24 11:03
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 13:36	04/19/24 01:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/18/24 13:36	04/19/24 01:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/18/24 13:36	04/19/24 01:20	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/18/24 13:36	04/19/24 01:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/18/24 13:36	04/19/24 01:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/18/24 13:36	04/19/24 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*04/18/24 13:36*	*04/19/24 01:20*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/18/24 13:36*	*04/19/24 01:20*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: SW-15, 0-4.1

Date Collected: 04/17/24 11:03
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-34

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/19/24 01:20	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			04/23/24 16:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/19/24 13:48	04/23/24 16:24	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/19/24 13:48	04/23/24 16:24	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/19/24 13:48	04/23/24 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*04/19/24 13:48*	*04/23/24 16:24*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*04/19/24 13:48*	*04/23/24 16:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.4**		5.02		mg/Kg			04/22/24 09:55	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

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)
880-42421-1	C-1, 9'	99	77
880-42421-1 MS	C-1, 9'	110	102
880-42421-1 MSD	C-1, 9'	112	105
880-42421-2	C-3, 9'	111	97
880-42421-3	C-4, 7'	108	99
880-42421-4	C-5, 7'	94	89
880-42421-5	C-6, 7'	90	93
880-42421-6	C-7, 7'	93	93
880-42421-7	C-8, 7'	103	90
880-42421-8	SW-8, 4.1-7'	102	93
880-42421-9	SW-17, 4.1-7'	105	98
880-42421-10	SW-18, 4.1-7'	104	93
880-42421-11	SW-19, 4.1-7'	109	90
880-42421-12	SW-13, 4.1-7'	99	84
880-42421-13	SW-14, 4.1-7'	105	94
880-42421-14	SW-15, 4.1-6'	93	78
880-42421-15	SW-16, 4.1-7'	91	89
880-42421-16	C-52, 4.1	102	86
880-42421-17	C-53, 4.1	101	95
880-42421-18	C-54, 4.1	93	86
880-42421-19	C-55, 4.1	116	91
880-42421-20	C-56, 4.1	90	91
880-42421-21	C-57, 4.1	115	93
880-42421-21 MS	C-57, 4.1	113	96
880-42421-21 MSD	C-57, 4.1	113	101
880-42421-22	C-58, 4.1	116	93
880-42421-23	SW-16, 0-4.1	117	93
880-42421-24	C-25, 4.1	115	92
880-42421-25	C-27, 4.1	115	93
880-42421-26	C-29, 4.1	117	93
880-42421-27	C-31, 4.1	116	92
880-42421-28	C-33, 4.1	119	93
880-42421-29	C-43, 4.1	116	92
880-42421-30	C-44, 4.1	117	93
880-42421-31	C-47, 4.1	87	94
880-42421-32	C-59, 4.1	84	98
880-42421-33	SW-14, 0-4.1	84	97
880-42421-34	SW-15, 0-4.1	85	96
LCS 880-78639/1-A	Lab Control Sample	121	113
LCS 880-78676/1-A	Lab Control Sample	92	93
LCS 880-78677/1-A	Lab Control Sample	111	101
LCSD 880-78639/2-A	Lab Control Sample Dup	119	119
LCSD 880-78676/2-A	Lab Control Sample Dup	93	102
LCSD 880-78677/2-A	Lab Control Sample Dup	111	103
MB 880-78514/5-A	Method Blank	78	97
MB 880-78639/5-A	Method Blank	82	93
MB 880-78676/5-A	Method Blank	60 S1-	86
MB 880-78677/5-A	Method Blank	113	89

Surrogate Legend

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-42421-1	C-1, 9'	103	90										
880-42421-2	C-3, 9'	100	88										
880-42421-3	C-4, 7'	106	92										
880-42421-4	C-5, 7'	109	92										
880-42421-5	C-6, 7'	100	85										
880-42421-6	C-7, 7'	111	94										
880-42421-7	C-8, 7'	119	104										
880-42421-8	SW-8, 4.1-7'	112	100										
880-42421-9	SW-17, 4.1-7'	103	89										
880-42421-10	SW-18, 4.1-7'	77	72										
880-42421-11	SW-19, 4.1-7'	100	115										
880-42421-12	SW-13, 4.1-7'	85	84										
880-42421-13	SW-14, 4.1-7'	83	89										
880-42421-14	SW-15, 4.1-6'	73	70										
880-42421-15	SW-16, 4.1-7'	83	86										
880-42421-16	C-52, 4.1	90	93										
880-42421-17	C-53, 4.1	88	87										
880-42421-18	C-54, 4.1	99	98										
880-42421-19	C-55, 4.1	105	104										
880-42421-20	C-56, 4.1	105	88										
880-42421-20 MS	C-56, 4.1	126	100										
880-42421-20 MSD	C-56, 4.1	102	82										
880-42421-21	C-57, 4.1	99	84										
880-42421-22	C-58, 4.1	103	82										
880-42421-23	SW-16, 0-4.1	114	95										
880-42421-24	C-25, 4.1	91	76										
880-42421-25	C-27, 4.1	109	88										
880-42421-26	C-29, 4.1	99	86										
880-42421-27	C-31, 4.1	91	78										
880-42421-28	C-33, 4.1	105	89										
880-42421-29	C-43, 4.1	92	78										
880-42421-30	C-44, 4.1	89	77										
880-42421-31	C-47, 4.1	98	80										
880-42421-32	C-59, 4.1	90	76										
880-42421-33	SW-14, 0-4.1	113	97										
880-42421-34	SW-15, 0-4.1	99	85										
LCS 880-78632/2-A	Lab Control Sample	106	107										
LCS 880-78764/2-A	Lab Control Sample	91	91										
LCS 880-78769/2-A	Lab Control Sample	106	109										
LCSD 880-78632/3-A	Lab Control Sample Dup	119	117										
LCSD 880-78764/3-A	Lab Control Sample Dup	82	81										
LCSD 880-78769/3-A	Lab Control Sample Dup	83	87										
MB 880-78632/1-A	Method Blank	154 S1+	136 S1+										
MB 880-78764/1-A	Method Blank	124	158 S1+										
MB 880-78769/1-A	Method Blank	131 S1+	118										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

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: MB 880-78639/5-A
Matrix: Solid
Analysis Batch: 78565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78639

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/18/24 13:36	04/18/24 22:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/24 13:36	04/18/24 22:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/24 13:36	04/18/24 22:35	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/18/24 13:36	04/18/24 22:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/24 13:36	04/18/24 22:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/18/24 13:36	04/18/24 22:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*04/18/24 13:36*	*04/18/24 22:35*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/18/24 13:36*	*04/18/24 22:35*	*1*

Lab Sample ID: LCS 880-78639/1-A
Matrix: Solid
Analysis Batch: 78565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78639

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08356		mg/Kg		84	70 - 130		
Toluene			0.100	0.08438		mg/Kg		84	70 - 130		
Ethylbenzene			0.100	0.09344		mg/Kg		93	70 - 130		
m,p-Xylenes			0.200	0.1905		mg/Kg		95	70 - 130		
o-Xylene			0.100	0.09488		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-78639/2-A
Matrix: Solid
Analysis Batch: 78565

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78639

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09447		mg/Kg		94	70 - 130	12	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

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

Lab Sample ID: LCSD 880-78639/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 78565 — **Prep Batch: 78639**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09710		mg/Kg		97	70 - 130	14	35
Ethylbenzene			0.100	0.1019		mg/Kg		102	70 - 130	9	35
m,p-Xylenes			0.200	0.2095		mg/Kg		105	70 - 130	10	35
o-Xylene			0.100	0.1035		mg/Kg		104	70 - 130	9	35

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

Lab Sample ID: MB 880-78676/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 78766 — **Prep Batch: 78676**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/20/24 21:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/20/24 21:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/20/24 21:18	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/18/24 15:57	04/20/24 21:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:57	04/20/24 21:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/18/24 15:57	04/20/24 21:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*04/18/24 15:57*	*04/20/24 21:18*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*04/18/24 15:57*	*04/20/24 21:18*	*1*

Lab Sample ID: LCS 880-78676/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 78766 — **Prep Batch: 78676**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.1012		mg/Kg		101	70 - 130
Toluene			0.100	0.09654		mg/Kg		97	70 - 130
Ethylbenzene			0.100	0.1049		mg/Kg		105	70 - 130
m,p-Xylenes			0.200	0.2097		mg/Kg		105	70 - 130
o-Xylene			0.100	0.1073		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-78676/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 78766 — **Prep Batch: 78676**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1029		mg/Kg		103	70 - 130	2	35
Toluene			0.100	0.09823		mg/Kg		98	70 - 130	2	35
Ethylbenzene			0.100	0.1094		mg/Kg		109	70 - 130	4	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

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

Lab Sample ID: LCSD 880-78676/2-A
Matrix: Solid
Analysis Batch: 78766

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78676

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes			0.200	0.2223		mg/Kg		111	70 - 130	6	35
o-Xylene			0.100	0.1146		mg/Kg		115	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-42421-1 MS
Matrix: Solid
Analysis Batch: 78766

Client Sample ID: C-1, 9'
Prep Type: Total/NA
Prep Batch: 78676

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09753		mg/Kg		97	70 - 130
Toluene	<0.00199	U	0.0996	0.1004		mg/Kg		101	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.09361		mg/Kg		94	70 - 130
m,p-Xylenes	<0.00398	U	0.199	0.1851		mg/Kg		93	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09864		mg/Kg		99	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-42421-1 MSD
Matrix: Solid
Analysis Batch: 78766

Client Sample ID: C-1, 9'
Prep Type: Total/NA
Prep Batch: 78676

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.08871		mg/Kg		87	70 - 130	9	35
Toluene	<0.00199	U	0.101	0.09022		mg/Kg		89	70 - 130	11	35
Ethylbenzene	<0.00199	U	0.101	0.08595		mg/Kg		85	70 - 130	9	35
m,p-Xylenes	<0.00398	U	0.202	0.1655		mg/Kg		82	70 - 130	11	35
o-Xylene	<0.00199	U	0.101	0.08883		mg/Kg		88	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-78677/5-A
Matrix: Solid
Analysis Batch: 78856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78677

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 19:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 19:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 19:37	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/18/24 15:58	04/20/24 19:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/18/24 15:58	04/20/24 19:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/18/24 15:58	04/20/24 19:37	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	04/18/24 15:58	04/20/24 19:37	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/18/24 15:58	04/20/24 19:37	1

Lab Sample ID: LCS 880-78677/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 78856 — **Prep Batch: 78677**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1121		mg/Kg		112	70 - 130		
Toluene			0.100	0.1055		mg/Kg		106	70 - 130		
Ethylbenzene			0.100	0.1046		mg/Kg		105	70 - 130		
m,p-Xylenes			0.200	0.2113		mg/Kg		106	70 - 130		
o-Xylene			0.100	0.1059		mg/Kg		106	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-78677/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 78856 — **Prep Batch: 78677**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1161		mg/Kg		116	70 - 130	3	35
Toluene			0.100	0.1082		mg/Kg		108	70 - 130	2	35
Ethylbenzene			0.100	0.1066		mg/Kg		107	70 - 130	2	35
m,p-Xylenes			0.200	0.2138		mg/Kg		107	70 - 130	1	35
o-Xylene			0.100	0.1080		mg/Kg		108	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-42421-21 MS — **Client Sample ID: C-57, 4.1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 78856 — **Prep Batch: 78677**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0996	0.07542		mg/Kg		76	70 - 130		
Toluene	<0.00199	U	0.0996	0.07145		mg/Kg		72	70 - 130		
Ethylbenzene	<0.00199	U F1	0.0996	0.06761	F1	mg/Kg		68	70 - 130		
m,p-Xylenes	<0.00398	U F1	0.199	0.1383	F1	mg/Kg		69	70 - 130		
o-Xylene	<0.00199	U	0.0996	0.07282		mg/Kg		73	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

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

Lab Sample ID: 880-42421-21 MSD **Client Sample ID: C-57, 4.1**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 78856 **Prep Batch: 78677**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1034		mg/Kg		103	70 - 130	31	35
Toluene	<0.00199	U	0.101	0.09612		mg/Kg		95	70 - 130	29	35
Ethylbenzene	<0.00199	U F1	0.101	0.09213		mg/Kg		91	70 - 130	31	35
m,p-Xylenes	<0.00398	U F1	0.202	0.1827		mg/Kg		91	70 - 130	28	35
o-Xylene	<0.00199	U	0.101	0.09189		mg/Kg		91	70 - 130	23	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

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

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QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

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

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
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*

Lab Sample ID: MB 880-78764/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 78879 **Prep Batch: 78764**

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		04/19/24 13:38	04/22/24 08:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 13:38	04/22/24 08:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 13:38	04/22/24 08:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*124*		*70 - 130*	*04/19/24 13:38*	*04/22/24 08:03*	*1*
o-Terphenyl (Surr)	*158*	*S1+*	*70 - 130*	*04/19/24 13:38*	*04/22/24 08:03*	*1*

Lab Sample ID: LCS 880-78764/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 78879 **Prep Batch: 78764**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	877.3		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	829.2		mg/Kg		83	70 - 130		

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

Lab Sample ID: LCSD 880-78764/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 78879 **Prep Batch: 78764**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	939.4		mg/Kg		94	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	856.8		mg/Kg		86	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*82*		*70 - 130*
o-Terphenyl (Surr)	*81*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

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

Lab Sample ID: MB 880-78769/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 79001 **Prep Batch: 78769**

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		04/19/24 13:48	04/23/24 07:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/19/24 13:48	04/23/24 07:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/19/24 13:48	04/23/24 07:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*131*	*S1+*	*70 - 130*	*04/19/24 13:48*	*04/23/24 07:53*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*04/19/24 13:48*	*04/23/24 07:53*	*1*

Lab Sample ID: LCS 880-78769/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 79001 **Prep Batch: 78769**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1069		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	975.3		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*106*		*70 - 130*
o-Terphenyl (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-78769/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 79001 **Prep Batch: 78769**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	963.7		mg/Kg		96	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	831.8		mg/Kg		83	70 - 130	16	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*83*		*70 - 130*
o-Terphenyl (Surr)	*87*		*70 - 130*

Lab Sample ID: 880-42421-20 MS **Client Sample ID: C-56, 4.1**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 79001 **Prep Batch: 78769**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	1000	984.4		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1116		mg/Kg		112	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

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

Lab Sample ID: 880-42421-20 MS
Matrix: Solid
Analysis Batch: 79001

Client Sample ID: C-56, 4.1
Prep Type: Total/NA
Prep Batch: 78769

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	126		70 - 130
o-Terphenyl (Surr)	100		70 - 130

Lab Sample ID: 880-42421-20 MSD
Matrix: Solid
Analysis Batch: 79001

Client Sample ID: C-56, 4.1
Prep Type: Total/NA
Prep Batch: 78769

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 F2	1000	774.7	F2	mg/Kg		74	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	910.3		mg/Kg		91	70 - 130	20	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	102		70 - 130
o-Terphenyl (Surr)	82		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-78718/1-A
Matrix: Solid
Analysis Batch: 78786

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			04/20/24 17:03	1

Lab Sample ID: LCS 880-78718/2-A
Matrix: Solid
Analysis Batch: 78786

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 880-78718/3-A
Matrix: Solid
Analysis Batch: 78786

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	247.5		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-42421-11 MS
Matrix: Solid
Analysis Batch: 78786

Client Sample ID: SW-19, 4.1-7'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1470		1260	2666		mg/Kg		95	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-42421-11 MSD
Matrix: Solid
Analysis Batch: 78786

Client Sample ID: SW-19, 4.1-7'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1470		1260	2651		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-42421-21 MS
Matrix: Solid
Analysis Batch: 78786

Client Sample ID: C-57, 4.1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5910		2490	8470		mg/Kg		103	90 - 110

Lab Sample ID: 880-42421-21 MSD
Matrix: Solid
Analysis Batch: 78786

Client Sample ID: C-57, 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	5910		2490	8500		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-78715/1-A
Matrix: Solid
Analysis Batch: 78789

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			04/20/24 08:40	1

Lab Sample ID: LCS 880-78715/2-A
Matrix: Solid
Analysis Batch: 78789

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.1		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-78715/3-A
Matrix: Solid
Analysis Batch: 78789

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	251.6		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-42421-1 MS
Matrix: Solid
Analysis Batch: 78789

Client Sample ID: C-1, 9'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	8190		2500	10720		mg/Kg		101	90 - 110

Lab Sample ID: 880-42421-1 MSD
Matrix: Solid
Analysis Batch: 78789

Client Sample ID: C-1, 9'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8190		2500	10710		mg/Kg		101	90 - 110	0	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-78719/1-A
Matrix: Solid
Analysis Batch: 78909

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			04/22/24 09:16	1

Lab Sample ID: LCS 880-78719/2-A
Matrix: Solid
Analysis Batch: 78909

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	246.1		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-78719/3-A
Matrix: Solid
Analysis Batch: 78909

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	246.5		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-42421-31 MS
Matrix: Solid
Analysis Batch: 78909

Client Sample ID: C-47, 4.1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3790	F1	1260	5177		mg/Kg		110	90 - 110		

Lab Sample ID: 880-42421-31 MSD
Matrix: Solid
Analysis Batch: 78909

Client Sample ID: C-47, 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	3790	F1	1260	5183	F1	mg/Kg		111	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

GC VOA

Prep Batch: 78514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-78514/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 78565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-31	C-47, 4.1	Total/NA	Solid	8021B	78639
880-42421-32	C-59, 4.1	Total/NA	Solid	8021B	78639
880-42421-33	SW-14, 0-4.1	Total/NA	Solid	8021B	78639
880-42421-34	SW-15, 0-4.1	Total/NA	Solid	8021B	78639
MB 880-78514/5-A	Method Blank	Total/NA	Solid	8021B	78514
MB 880-78639/5-A	Method Blank	Total/NA	Solid	8021B	78639
LCS 880-78639/1-A	Lab Control Sample	Total/NA	Solid	8021B	78639
LCSD 880-78639/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78639

Prep Batch: 78639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-31	C-47, 4.1	Total/NA	Solid	5035	
880-42421-32	C-59, 4.1	Total/NA	Solid	5035	
880-42421-33	SW-14, 0-4.1	Total/NA	Solid	5035	
880-42421-34	SW-15, 0-4.1	Total/NA	Solid	5035	
MB 880-78639/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78639/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78639/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 78676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-1	C-1, 9'	Total/NA	Solid	5035	
880-42421-2	C-3, 9'	Total/NA	Solid	5035	
880-42421-3	C-4, 7'	Total/NA	Solid	5035	
880-42421-4	C-5, 7'	Total/NA	Solid	5035	
880-42421-5	C-6, 7'	Total/NA	Solid	5035	
880-42421-6	C-7, 7'	Total/NA	Solid	5035	
880-42421-7	C-8, 7'	Total/NA	Solid	5035	
880-42421-8	SW-8, 4.1-7'	Total/NA	Solid	5035	
880-42421-9	SW-17, 4.1-7'	Total/NA	Solid	5035	
880-42421-10	SW-18, 4.1-7'	Total/NA	Solid	5035	
880-42421-11	SW-19, 4.1-7'	Total/NA	Solid	5035	
880-42421-12	SW-13, 4.1-7'	Total/NA	Solid	5035	
880-42421-13	SW-14, 4.1-7'	Total/NA	Solid	5035	
880-42421-14	SW-15, 4.1-6'	Total/NA	Solid	5035	
880-42421-15	SW-16, 4.1-7'	Total/NA	Solid	5035	
880-42421-16	C-52, 4.1	Total/NA	Solid	5035	
880-42421-17	C-53, 4.1	Total/NA	Solid	5035	
880-42421-18	C-54, 4.1	Total/NA	Solid	5035	
880-42421-19	C-55, 4.1	Total/NA	Solid	5035	
880-42421-20	C-56, 4.1	Total/NA	Solid	5035	
MB 880-78676/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78676/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78676/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42421-1 MS	C-1, 9'	Total/NA	Solid	5035	
880-42421-1 MSD	C-1, 9'	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

GC VOA

Prep Batch: 78677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-21	C-57, 4.1	Total/NA	Solid	5035	
880-42421-22	C-58, 4.1	Total/NA	Solid	5035	
880-42421-23	SW-16, 0-4.1	Total/NA	Solid	5035	
880-42421-24	C-25, 4.1	Total/NA	Solid	5035	
880-42421-25	C-27, 4.1	Total/NA	Solid	5035	
880-42421-26	C-29, 4.1	Total/NA	Solid	5035	
880-42421-27	C-31, 4.1	Total/NA	Solid	5035	
880-42421-28	C-33, 4.1	Total/NA	Solid	5035	
880-42421-29	C-43, 4.1	Total/NA	Solid	5035	
880-42421-30	C-44, 4.1	Total/NA	Solid	5035	
MB 880-78677/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78677/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78677/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42421-21 MS	C-57, 4.1	Total/NA	Solid	5035	
880-42421-21 MSD	C-57, 4.1	Total/NA	Solid	5035	

Analysis Batch: 78766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-1	C-1, 9'	Total/NA	Solid	8021B	78676
880-42421-2	C-3, 9'	Total/NA	Solid	8021B	78676
880-42421-3	C-4, 7'	Total/NA	Solid	8021B	78676
880-42421-4	C-5, 7'	Total/NA	Solid	8021B	78676
880-42421-5	C-6, 7'	Total/NA	Solid	8021B	78676
880-42421-6	C-7, 7'	Total/NA	Solid	8021B	78676
880-42421-7	C-8, 7'	Total/NA	Solid	8021B	78676
880-42421-8	SW-8, 4.1-7'	Total/NA	Solid	8021B	78676
880-42421-9	SW-17, 4.1-7'	Total/NA	Solid	8021B	78676
880-42421-10	SW-18, 4.1-7'	Total/NA	Solid	8021B	78676
880-42421-11	SW-19, 4.1-7'	Total/NA	Solid	8021B	78676
880-42421-12	SW-13, 4.1-7'	Total/NA	Solid	8021B	78676
880-42421-13	SW-14, 4.1-7'	Total/NA	Solid	8021B	78676
880-42421-14	SW-15, 4.1-6'	Total/NA	Solid	8021B	78676
880-42421-15	SW-16, 4.1-7'	Total/NA	Solid	8021B	78676
880-42421-16	C-52, 4.1	Total/NA	Solid	8021B	78676
880-42421-17	C-53, 4.1	Total/NA	Solid	8021B	78676
880-42421-18	C-54, 4.1	Total/NA	Solid	8021B	78676
880-42421-19	C-55, 4.1	Total/NA	Solid	8021B	78676
880-42421-20	C-56, 4.1	Total/NA	Solid	8021B	78676
MB 880-78676/5-A	Method Blank	Total/NA	Solid	8021B	78676
LCS 880-78676/1-A	Lab Control Sample	Total/NA	Solid	8021B	78676
LCSD 880-78676/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78676
880-42421-1 MS	C-1, 9'	Total/NA	Solid	8021B	78676
880-42421-1 MSD	C-1, 9'	Total/NA	Solid	8021B	78676

Analysis Batch: 78798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-1	C-1, 9'	Total/NA	Solid	Total BTEX	
880-42421-2	C-3, 9'	Total/NA	Solid	Total BTEX	
880-42421-3	C-4, 7'	Total/NA	Solid	Total BTEX	
880-42421-4	C-5, 7'	Total/NA	Solid	Total BTEX	
880-42421-5	C-6, 7'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

GC VOA (Continued)

Analysis Batch: 78798 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-6	C-7, 7'	Total/NA	Solid	Total BTEX	
880-42421-7	C-8, 7'	Total/NA	Solid	Total BTEX	
880-42421-8	SW-8, 4.1-7'	Total/NA	Solid	Total BTEX	
880-42421-9	SW-17, 4.1-7'	Total/NA	Solid	Total BTEX	
880-42421-10	SW-18, 4.1-7'	Total/NA	Solid	Total BTEX	
880-42421-11	SW-19, 4.1-7'	Total/NA	Solid	Total BTEX	
880-42421-12	SW-13, 4.1-7'	Total/NA	Solid	Total BTEX	
880-42421-13	SW-14, 4.1-7'	Total/NA	Solid	Total BTEX	
880-42421-14	SW-15, 4.1-6'	Total/NA	Solid	Total BTEX	
880-42421-15	SW-16, 4.1-7'	Total/NA	Solid	Total BTEX	
880-42421-16	C-52, 4.1	Total/NA	Solid	Total BTEX	
880-42421-17	C-53, 4.1	Total/NA	Solid	Total BTEX	
880-42421-18	C-54, 4.1	Total/NA	Solid	Total BTEX	
880-42421-19	C-55, 4.1	Total/NA	Solid	Total BTEX	
880-42421-20	C-56, 4.1	Total/NA	Solid	Total BTEX	
880-42421-21	C-57, 4.1	Total/NA	Solid	Total BTEX	
880-42421-22	C-58, 4.1	Total/NA	Solid	Total BTEX	
880-42421-23	SW-16, 0-4.1	Total/NA	Solid	Total BTEX	
880-42421-24	C-25, 4.1	Total/NA	Solid	Total BTEX	
880-42421-25	C-27, 4.1	Total/NA	Solid	Total BTEX	
880-42421-26	C-29, 4.1	Total/NA	Solid	Total BTEX	
880-42421-27	C-31, 4.1	Total/NA	Solid	Total BTEX	
880-42421-28	C-33, 4.1	Total/NA	Solid	Total BTEX	
880-42421-29	C-43, 4.1	Total/NA	Solid	Total BTEX	
880-42421-30	C-44, 4.1	Total/NA	Solid	Total BTEX	
880-42421-31	C-47, 4.1	Total/NA	Solid	Total BTEX	
880-42421-32	C-59, 4.1	Total/NA	Solid	Total BTEX	
880-42421-33	SW-14, 0-4.1	Total/NA	Solid	Total BTEX	
880-42421-34	SW-15, 0-4.1	Total/NA	Solid	Total BTEX	

Analysis Batch: 78856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-21	C-57, 4.1	Total/NA	Solid	8021B	78677
880-42421-22	C-58, 4.1	Total/NA	Solid	8021B	78677
880-42421-23	SW-16, 0-4.1	Total/NA	Solid	8021B	78677
880-42421-24	C-25, 4.1	Total/NA	Solid	8021B	78677
880-42421-25	C-27, 4.1	Total/NA	Solid	8021B	78677
880-42421-26	C-29, 4.1	Total/NA	Solid	8021B	78677
880-42421-27	C-31, 4.1	Total/NA	Solid	8021B	78677
880-42421-28	C-33, 4.1	Total/NA	Solid	8021B	78677
880-42421-29	C-43, 4.1	Total/NA	Solid	8021B	78677
880-42421-30	C-44, 4.1	Total/NA	Solid	8021B	78677
MB 880-78677/5-A	Method Blank	Total/NA	Solid	8021B	78677
LCS 880-78677/1-A	Lab Control Sample	Total/NA	Solid	8021B	78677
LCSD 880-78677/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78677
880-42421-21 MS	C-57, 4.1	Total/NA	Solid	8021B	78677
880-42421-21 MSD	C-57, 4.1	Total/NA	Solid	8021B	78677

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

GC Semi VOA

Prep Batch: 78632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-1	C-1, 9'	Total/NA	Solid	8015NM Prep	
880-42421-2	C-3, 9'	Total/NA	Solid	8015NM Prep	
880-42421-3	C-4, 7'	Total/NA	Solid	8015NM Prep	
880-42421-4	C-5, 7'	Total/NA	Solid	8015NM Prep	
880-42421-5	C-6, 7'	Total/NA	Solid	8015NM Prep	
880-42421-6	C-7, 7'	Total/NA	Solid	8015NM Prep	
880-42421-7	C-8, 7'	Total/NA	Solid	8015NM Prep	
880-42421-8	SW-8, 4.1-7'	Total/NA	Solid	8015NM Prep	
880-42421-9	SW-17, 4.1-7'	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
880-42421-1	C-1, 9'	Total/NA	Solid	8015B NM	78632
880-42421-2	C-3, 9'	Total/NA	Solid	8015B NM	78632
880-42421-3	C-4, 7'	Total/NA	Solid	8015B NM	78632
880-42421-4	C-5, 7'	Total/NA	Solid	8015B NM	78632
880-42421-5	C-6, 7'	Total/NA	Solid	8015B NM	78632
880-42421-6	C-7, 7'	Total/NA	Solid	8015B NM	78632
880-42421-7	C-8, 7'	Total/NA	Solid	8015B NM	78632
880-42421-8	SW-8, 4.1-7'	Total/NA	Solid	8015B NM	78632
880-42421-9	SW-17, 4.1-7'	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

Prep Batch: 78764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-10	SW-18, 4.1-7'	Total/NA	Solid	8015NM Prep	
880-42421-11	SW-19, 4.1-7'	Total/NA	Solid	8015NM Prep	
880-42421-12	SW-13, 4.1-7'	Total/NA	Solid	8015NM Prep	
880-42421-13	SW-14, 4.1-7'	Total/NA	Solid	8015NM Prep	
880-42421-14	SW-15, 4.1-6'	Total/NA	Solid	8015NM Prep	
880-42421-15	SW-16, 4.1-7'	Total/NA	Solid	8015NM Prep	
880-42421-16	C-52, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-17	C-53, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-18	C-54, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-19	C-55, 4.1	Total/NA	Solid	8015NM Prep	
MB 880-78764/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78764/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78764/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 78769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-20	C-56, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-21	C-57, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-22	C-58, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-23	SW-16, 0-4.1	Total/NA	Solid	8015NM Prep	
880-42421-24	C-25, 4.1	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

GC Semi VOA (Continued)

Prep Batch: 78769 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-25	C-27, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-26	C-29, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-27	C-31, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-28	C-33, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-29	C-43, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-30	C-44, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-31	C-47, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-32	C-59, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-33	SW-14, 0-4.1	Total/NA	Solid	8015NM Prep	
880-42421-34	SW-15, 0-4.1	Total/NA	Solid	8015NM Prep	
MB 880-78769/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78769/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42421-20 MS	C-56, 4.1	Total/NA	Solid	8015NM Prep	
880-42421-20 MSD	C-56, 4.1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 78879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-10	SW-18, 4.1-7'	Total/NA	Solid	8015B NM	78764
880-42421-11	SW-19, 4.1-7'	Total/NA	Solid	8015B NM	78764
880-42421-12	SW-13, 4.1-7'	Total/NA	Solid	8015B NM	78764
880-42421-13	SW-14, 4.1-7'	Total/NA	Solid	8015B NM	78764
880-42421-14	SW-15, 4.1-6'	Total/NA	Solid	8015B NM	78764
880-42421-15	SW-16, 4.1-7'	Total/NA	Solid	8015B NM	78764
880-42421-16	C-52, 4.1	Total/NA	Solid	8015B NM	78764
880-42421-17	C-53, 4.1	Total/NA	Solid	8015B NM	78764
880-42421-18	C-54, 4.1	Total/NA	Solid	8015B NM	78764
880-42421-19	C-55, 4.1	Total/NA	Solid	8015B NM	78764
MB 880-78764/1-A	Method Blank	Total/NA	Solid	8015B NM	78764
LCS 880-78764/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78764
LCSD 880-78764/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78764

Analysis Batch: 79000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-1	C-1, 9'	Total/NA	Solid	8015 NM	
880-42421-2	C-3, 9'	Total/NA	Solid	8015 NM	
880-42421-3	C-4, 7'	Total/NA	Solid	8015 NM	
880-42421-4	C-5, 7'	Total/NA	Solid	8015 NM	
880-42421-5	C-6, 7'	Total/NA	Solid	8015 NM	
880-42421-6	C-7, 7'	Total/NA	Solid	8015 NM	
880-42421-7	C-8, 7'	Total/NA	Solid	8015 NM	
880-42421-8	SW-8, 4.1-7'	Total/NA	Solid	8015 NM	
880-42421-9	SW-17, 4.1-7'	Total/NA	Solid	8015 NM	
880-42421-10	SW-18, 4.1-7'	Total/NA	Solid	8015 NM	
880-42421-11	SW-19, 4.1-7'	Total/NA	Solid	8015 NM	
880-42421-12	SW-13, 4.1-7'	Total/NA	Solid	8015 NM	
880-42421-13	SW-14, 4.1-7'	Total/NA	Solid	8015 NM	
880-42421-14	SW-15, 4.1-6'	Total/NA	Solid	8015 NM	
880-42421-15	SW-16, 4.1-7'	Total/NA	Solid	8015 NM	
880-42421-16	C-52, 4.1	Total/NA	Solid	8015 NM	
880-42421-17	C-53, 4.1	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

GC Semi VOA (Continued)

Analysis Batch: 79000 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-18	C-54, 4.1	Total/NA	Solid	8015 NM	
880-42421-19	C-55, 4.1	Total/NA	Solid	8015 NM	
880-42421-20	C-56, 4.1	Total/NA	Solid	8015 NM	
880-42421-21	C-57, 4.1	Total/NA	Solid	8015 NM	
880-42421-22	C-58, 4.1	Total/NA	Solid	8015 NM	
880-42421-23	SW-16, 0-4.1	Total/NA	Solid	8015 NM	
880-42421-24	C-25, 4.1	Total/NA	Solid	8015 NM	
880-42421-25	C-27, 4.1	Total/NA	Solid	8015 NM	
880-42421-26	C-29, 4.1	Total/NA	Solid	8015 NM	
880-42421-27	C-31, 4.1	Total/NA	Solid	8015 NM	
880-42421-28	C-33, 4.1	Total/NA	Solid	8015 NM	
880-42421-29	C-43, 4.1	Total/NA	Solid	8015 NM	
880-42421-30	C-44, 4.1	Total/NA	Solid	8015 NM	
880-42421-31	C-47, 4.1	Total/NA	Solid	8015 NM	
880-42421-32	C-59, 4.1	Total/NA	Solid	8015 NM	
880-42421-33	SW-14, 0-4.1	Total/NA	Solid	8015 NM	
880-42421-34	SW-15, 0-4.1	Total/NA	Solid	8015 NM	

Analysis Batch: 79001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-20	C-56, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-21	C-57, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-22	C-58, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-23	SW-16, 0-4.1	Total/NA	Solid	8015B NM	78769
880-42421-24	C-25, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-25	C-27, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-26	C-29, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-27	C-31, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-28	C-33, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-29	C-43, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-30	C-44, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-31	C-47, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-32	C-59, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-33	SW-14, 0-4.1	Total/NA	Solid	8015B NM	78769
880-42421-34	SW-15, 0-4.1	Total/NA	Solid	8015B NM	78769
MB 880-78769/1-A	Method Blank	Total/NA	Solid	8015B NM	78769
LCS 880-78769/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78769
LCSD 880-78769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78769
880-42421-20 MS	C-56, 4.1	Total/NA	Solid	8015B NM	78769
880-42421-20 MSD	C-56, 4.1	Total/NA	Solid	8015B NM	78769

HPLC/IC

Leach Batch: 78715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-1	C-1, 9'	Soluble	Solid	DI Leach	
880-42421-2	C-3, 9'	Soluble	Solid	DI Leach	
880-42421-3	C-4, 7'	Soluble	Solid	DI Leach	
880-42421-4	C-5, 7'	Soluble	Solid	DI Leach	
880-42421-5	C-6, 7'	Soluble	Solid	DI Leach	
880-42421-6	C-7, 7'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

HPLC/IC (Continued)

Leach Batch: 78715 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-7	C-8, 7'	Soluble	Solid	DI Leach	
880-42421-8	SW-8, 4.1-7'	Soluble	Solid	DI Leach	
880-42421-9	SW-17, 4.1-7'	Soluble	Solid	DI Leach	
880-42421-10	SW-18, 4.1-7'	Soluble	Solid	DI Leach	
MB 880-78715/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78715/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78715/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42421-1 MS	C-1, 9'	Soluble	Solid	DI Leach	
880-42421-1 MSD	C-1, 9'	Soluble	Solid	DI Leach	

Leach Batch: 78718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-11	SW-19, 4.1-7'	Soluble	Solid	DI Leach	
880-42421-12	SW-13, 4.1-7'	Soluble	Solid	DI Leach	
880-42421-13	SW-14, 4.1-7'	Soluble	Solid	DI Leach	
880-42421-14	SW-15, 4.1-6'	Soluble	Solid	DI Leach	
880-42421-15	SW-16, 4.1-7'	Soluble	Solid	DI Leach	
880-42421-16	C-52, 4.1	Soluble	Solid	DI Leach	
880-42421-17	C-53, 4.1	Soluble	Solid	DI Leach	
880-42421-18	C-54, 4.1	Soluble	Solid	DI Leach	
880-42421-19	C-55, 4.1	Soluble	Solid	DI Leach	
880-42421-20	C-56, 4.1	Soluble	Solid	DI Leach	
880-42421-21	C-57, 4.1	Soluble	Solid	DI Leach	
880-42421-22	C-58, 4.1	Soluble	Solid	DI Leach	
880-42421-23	SW-16, 0-4.1	Soluble	Solid	DI Leach	
880-42421-24	C-25, 4.1	Soluble	Solid	DI Leach	
880-42421-25	C-27, 4.1	Soluble	Solid	DI Leach	
880-42421-26	C-29, 4.1	Soluble	Solid	DI Leach	
880-42421-27	C-31, 4.1	Soluble	Solid	DI Leach	
880-42421-28	C-33, 4.1	Soluble	Solid	DI Leach	
880-42421-29	C-43, 4.1	Soluble	Solid	DI Leach	
880-42421-30	C-44, 4.1	Soluble	Solid	DI Leach	
MB 880-78718/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78718/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78718/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42421-11 MS	SW-19, 4.1-7'	Soluble	Solid	DI Leach	
880-42421-11 MSD	SW-19, 4.1-7'	Soluble	Solid	DI Leach	
880-42421-21 MS	C-57, 4.1	Soluble	Solid	DI Leach	
880-42421-21 MSD	C-57, 4.1	Soluble	Solid	DI Leach	

Leach Batch: 78719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-31	C-47, 4.1	Soluble	Solid	DI Leach	
880-42421-32	C-59, 4.1	Soluble	Solid	DI Leach	
880-42421-33	SW-14, 0-4.1	Soluble	Solid	DI Leach	
880-42421-34	SW-15, 0-4.1	Soluble	Solid	DI Leach	
MB 880-78719/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78719/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78719/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42421-31 MS	C-47, 4.1	Soluble	Solid	DI Leach	
880-42421-31 MSD	C-47, 4.1	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

HPLC/IC

Analysis Batch: 78786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-11	SW-19, 4.1-7'	Soluble	Solid	300.0	78718
880-42421-12	SW-13, 4.1-7'	Soluble	Solid	300.0	78718
880-42421-13	SW-14, 4.1-7'	Soluble	Solid	300.0	78718
880-42421-14	SW-15, 4.1-6'	Soluble	Solid	300.0	78718
880-42421-15	SW-16, 4.1-7'	Soluble	Solid	300.0	78718
880-42421-16	C-52, 4.1	Soluble	Solid	300.0	78718
880-42421-17	C-53, 4.1	Soluble	Solid	300.0	78718
880-42421-18	C-54, 4.1	Soluble	Solid	300.0	78718
880-42421-19	C-55, 4.1	Soluble	Solid	300.0	78718
880-42421-20	C-56, 4.1	Soluble	Solid	300.0	78718
880-42421-21	C-57, 4.1	Soluble	Solid	300.0	78718
880-42421-22	C-58, 4.1	Soluble	Solid	300.0	78718
880-42421-23	SW-16, 0-4.1	Soluble	Solid	300.0	78718
880-42421-24	C-25, 4.1	Soluble	Solid	300.0	78718
880-42421-25	C-27, 4.1	Soluble	Solid	300.0	78718
880-42421-26	C-29, 4.1	Soluble	Solid	300.0	78718
880-42421-27	C-31, 4.1	Soluble	Solid	300.0	78718
880-42421-28	C-33, 4.1	Soluble	Solid	300.0	78718
880-42421-29	C-43, 4.1	Soluble	Solid	300.0	78718
880-42421-30	C-44, 4.1	Soluble	Solid	300.0	78718
MB 880-78718/1-A	Method Blank	Soluble	Solid	300.0	78718
LCS 880-78718/2-A	Lab Control Sample	Soluble	Solid	300.0	78718
LCSD 880-78718/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78718
880-42421-11 MS	SW-19, 4.1-7'	Soluble	Solid	300.0	78718
880-42421-11 MSD	SW-19, 4.1-7'	Soluble	Solid	300.0	78718
880-42421-21 MS	C-57, 4.1	Soluble	Solid	300.0	78718
880-42421-21 MSD	C-57, 4.1	Soluble	Solid	300.0	78718

Analysis Batch: 78789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-1	C-1, 9'	Soluble	Solid	300.0	78715
880-42421-2	C-3, 9'	Soluble	Solid	300.0	78715
880-42421-3	C-4, 7'	Soluble	Solid	300.0	78715
880-42421-4	C-5, 7'	Soluble	Solid	300.0	78715
880-42421-5	C-6, 7'	Soluble	Solid	300.0	78715
880-42421-6	C-7, 7'	Soluble	Solid	300.0	78715
880-42421-7	C-8, 7'	Soluble	Solid	300.0	78715
880-42421-8	SW-8, 4.1-7'	Soluble	Solid	300.0	78715
880-42421-9	SW-17, 4.1-7'	Soluble	Solid	300.0	78715
880-42421-10	SW-18, 4.1-7'	Soluble	Solid	300.0	78715
MB 880-78715/1-A	Method Blank	Soluble	Solid	300.0	78715
LCS 880-78715/2-A	Lab Control Sample	Soluble	Solid	300.0	78715
LCSD 880-78715/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78715
880-42421-1 MS	C-1, 9'	Soluble	Solid	300.0	78715
880-42421-1 MSD	C-1, 9'	Soluble	Solid	300.0	78715

Analysis Batch: 78909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-31	C-47, 4.1	Soluble	Solid	300.0	78719
880-42421-32	C-59, 4.1	Soluble	Solid	300.0	78719
880-42421-33	SW-14, 0-4.1	Soluble	Solid	300.0	78719

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

HPLC/IC (Continued)

Analysis Batch: 78909 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42421-34	SW-15, 0-4.1	Soluble	Solid	300.0	78719
MB 880-78719/1-A	Method Blank	Soluble	Solid	300.0	78719
LCS 880-78719/2-A	Lab Control Sample	Soluble	Solid	300.0	78719
LCSD 880-78719/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78719
880-42421-31 MS	C-47, 4.1	Soluble	Solid	300.0	78719
880-42421-31 MSD	C-47, 4.1	Soluble	Solid	300.0	78719

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-1, 9'

Date Collected: 04/15/24 11:00
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-1
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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/20/24 21:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 21:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/19/24 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 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 15:27	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78715	04/19/24 10:06	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78789	04/20/24 10:27	SMC	EET MID

Client Sample ID: C-3, 9'

Date Collected: 04/15/24 11:04
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-2
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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/20/24 22:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 22:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/19/24 15:48	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 15:48	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78715	04/19/24 10:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	78789	04/20/24 10:46	SMC	EET MID

Client Sample ID: C-4, 7'

Date Collected: 04/15/24 11:06
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/20/24 22:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 22:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/19/24 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 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 16:09	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	78715	04/19/24 10:06	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	78789	04/20/24 10:52	SMC	EET MID

Client Sample ID: C-5, 7'

Date Collected: 04/15/24 11:08
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/20/24 23:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 23:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-5, 7'

Date Collected: 04/15/24 11:08
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-4
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			79000	04/19/24 16:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 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 16:31	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78715	04/19/24 10:06	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78789	04/20/24 11:11	SMC	EET MID

Client Sample ID: C-6, 7'

Date Collected: 04/15/24 11:11
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-5
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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/20/24 23:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 23:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/19/24 16:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 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 16:52	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78715	04/19/24 10:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78789	04/20/24 11:17	SMC	EET MID

Client Sample ID: C-7, 7'

Date Collected: 04/15/24 11:13
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/20/24 23:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 23:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/19/24 17:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 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 17:13	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78715	04/19/24 10:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78789	04/20/24 11:24	SMC	EET MID

Client Sample ID: C-8, 7'

Date Collected: 04/15/24 11:14
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-7
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			4.95 g	5 mL	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 00:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 00:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/19/24 17:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 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 17:35	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

Client Sample ID: C-8, 7' Lab Sample ID: 880-42421-7

Date Collected: 04/15/24 11:14 **Matrix: Solid**
Date Received: 04/18/24 08:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	78715	04/19/24 10:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78789	04/20/24 11:30	SMC	EET MID

Client Sample ID: SW-8, 4.1-7' Lab Sample ID: 880-42421-8

Date Collected: 04/15/24 11:15 **Matrix: Solid**
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 00:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/19/24 17:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 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 17:56	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	78715	04/19/24 10:06	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	78789	04/20/24 11:36	SMC	EET MID

Client Sample ID: SW-17, 4.1-7' Lab Sample ID: 880-42421-9

Date Collected: 04/15/24 11:20 **Matrix: Solid**
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 01:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 01:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/19/24 18:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 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 18:16	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78715	04/19/24 10:06	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78789	04/20/24 11:43	SMC	EET MID

Client Sample ID: SW-18, 4.1-7' Lab Sample ID: 880-42421-10

Date Collected: 04/15/24 11:22 **Matrix: Solid**
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 01:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 01:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/22/24 15:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78764	04/19/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78879	04/22/24 15:14	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78715	04/19/24 10:06	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78789	04/20/24 11:49	SMC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: SW-19, 4.1-7'

Lab Sample ID: 880-42421-11
Matrix: Solid
Date Collected: 04/15/24 11:24
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 03:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 03:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/22/24 15:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78764	04/19/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78879	04/22/24 15:35	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78786	04/20/24 17:22	SMC	EET MID

Client Sample ID: SW-13, 4.1-7'

Lab Sample ID: 880-42421-12
Matrix: Solid
Date Collected: 04/15/24 11:31
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 03:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 03:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/22/24 15:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78764	04/19/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78879	04/22/24 15:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78786	04/20/24 17:41	SMC	EET MID

Client Sample ID: SW-14, 4.1-7'

Lab Sample ID: 880-42421-13
Matrix: Solid
Date Collected: 04/15/24 11:34
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 04:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 04:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/22/24 16:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78764	04/19/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78879	04/22/24 16:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78786	04/20/24 17:47	SMC	EET MID

Client Sample ID: SW-15, 4.1-6'

Lab Sample ID: 880-42421-14
Matrix: Solid
Date Collected: 04/15/24 11:41
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 04:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 04:47	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: SW-15, 4.1-6'

Lab Sample ID: 880-42421-14
Matrix: Solid
Date Collected: 04/15/24 11:41
Date Received: 04/18/24 08:49

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			79000	04/22/24 16:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78764	04/19/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78879	04/22/24 16:39	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	78786	04/20/24 17:54	SMC	EET MID

Client Sample ID: SW-16, 4.1-7'

Lab Sample ID: 880-42421-15
Matrix: Solid
Date Collected: 04/15/24 11:45
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 05:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 05:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/22/24 17:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	78764	04/19/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78879	04/22/24 17:01	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78786	04/20/24 18:00	SMC	EET MID

Client Sample ID: C-52, 4.1

Lab Sample ID: 880-42421-16
Matrix: Solid
Date Collected: 04/16/24 11:55
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 05:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 05:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/22/24 17:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	78764	04/19/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78879	04/22/24 17:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78786	04/20/24 18:19	SMC	EET MID

Client Sample ID: C-53, 4.1

Lab Sample ID: 880-42421-17
Matrix: Solid
Date Collected: 04/16/24 11:56
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 06:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 06:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/22/24 17:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78764	04/19/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78879	04/22/24 17:43	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-53, 4.1

Lab Sample ID: 880-42421-17
Matrix: Solid
Date Collected: 04/16/24 11:56
Date Received: 04/18/24 08:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78786	04/20/24 18:25	SMC	EET MID

Client Sample ID: C-54, 4.1

Lab Sample ID: 880-42421-18
Matrix: Solid
Date Collected: 04/16/24 11:59
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 06:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 06:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/22/24 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78764	04/19/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78879	04/22/24 18:04	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78786	04/20/24 18:32	SMC	EET MID

Client Sample ID: C-55, 4.1

Lab Sample ID: 880-42421-19
Matrix: Solid
Date Collected: 04/16/24 12:00
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 06:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 06:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/22/24 18:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78764	04/19/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78879	04/22/24 18:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78786	04/20/24 18:38	SMC	EET MID

Client Sample ID: C-56, 4.1

Lab Sample ID: 880-42421-20
Matrix: Solid
Date Collected: 04/16/24 12:02
Date Received: 04/18/24 08:49

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	78676	04/18/24 15:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78766	04/21/24 07:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/21/24 07:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 10:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 10:44	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78786	04/20/24 18:44	SMC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-57, 4.1

Lab Sample ID: 880-42421-21
Matrix: Solid
Date Collected: 04/16/24 12:04
Date Received: 04/18/24 08:49

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	78677	04/18/24 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78856	04/20/24 19:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 19:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 11:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 11:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78786	04/20/24 18:50	SMC	EET MID

Client Sample ID: C-58, 4.1

Lab Sample ID: 880-42421-22
Matrix: Solid
Date Collected: 04/16/24 12:10
Date Received: 04/18/24 08:49

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	78677	04/18/24 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78856	04/20/24 20:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 20:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 11:47	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78786	04/20/24 19:09	SMC	EET MID

Client Sample ID: SW-16, 0-4.1

Lab Sample ID: 880-42421-23
Matrix: Solid
Date Collected: 04/16/24 11:06
Date Received: 04/18/24 08:49

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	78677	04/18/24 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78856	04/20/24 20:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 20:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 12:08	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78786	04/20/24 19:16	SMC	EET MID

Client Sample ID: C-25, 4.1

Lab Sample ID: 880-42421-24
Matrix: Solid
Date Collected: 04/17/24 11:25
Date Received: 04/18/24 08:49

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	78677	04/18/24 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78856	04/20/24 21:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 21:00	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-25, 4.1

Date Collected: 04/17/24 11:25
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-24

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			79000	04/23/24 12:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 12:30	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78786	04/20/24 19:35	SMC	EET MID

Client Sample ID: C-27, 4.1

Date Collected: 04/17/24 11:24
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-25

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			5.01 g	5 mL	78677	04/18/24 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78856	04/20/24 21:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 21:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 12:51	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78786	04/20/24 19:41	SMC	EET MID

Client Sample ID: C-29, 4.1

Date Collected: 04/17/24 11:23
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-26

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			5.01 g	5 mL	78677	04/18/24 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78856	04/20/24 21:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 21:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 13:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78786	04/20/24 19:47	SMC	EET MID

Client Sample ID: C-31, 4.1

Date Collected: 04/17/24 11:22
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-27

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			4.95 g	5 mL	78677	04/18/24 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78856	04/20/24 22:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 22:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 13:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 13:33	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-31, 4.1

Lab Sample ID: 880-42421-27
Matrix: Solid
Date Collected: 04/17/24 11:22
Date Received: 04/18/24 08:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78786	04/20/24 19:54	SMC	EET MID

Client Sample ID: C-33, 4.1

Lab Sample ID: 880-42421-28
Matrix: Solid
Date Collected: 04/17/24 11:30
Date Received: 04/18/24 08:49

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	78677	04/18/24 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78856	04/20/24 22:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 22:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 13:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 13:55	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78786	04/20/24 20:00	SMC	EET MID

Client Sample ID: C-43, 4.1

Lab Sample ID: 880-42421-29
Matrix: Solid
Date Collected: 04/17/24 11:32
Date Received: 04/18/24 08:49

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	78677	04/18/24 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78856	04/20/24 22:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 22:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 14:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 14:16	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78786	04/20/24 20:06	SMC	EET MID

Client Sample ID: C-44, 4.1

Lab Sample ID: 880-42421-30
Matrix: Solid
Date Collected: 04/17/24 11:28
Date Received: 04/18/24 08:49

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	78677	04/18/24 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78856	04/20/24 23:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/20/24 23:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 14:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 14:58	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78718	04/19/24 10:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78786	04/20/24 20:12	SMC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: C-47, 4.1

Lab Sample ID: 880-42421-31

Date Collected: 04/17/24 11:29
Date Received: 04/18/24 08:49

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	78639	04/18/24 13:36	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78565	04/19/24 00:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/19/24 00:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 15:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 15:20	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78719	04/19/24 10:08	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78909	04/22/24 09:31	SMC	EET MID

Client Sample ID: C-59, 4.1

Lab Sample ID: 880-42421-32

Date Collected: 04/17/24 11:20
Date Received: 04/18/24 08:49

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	78639	04/18/24 13:36	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78565	04/19/24 00:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/19/24 00:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 15:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 15:41	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78719	04/19/24 10:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78909	04/22/24 09:45	SMC	EET MID

Client Sample ID: SW-14, 0-4.1

Lab Sample ID: 880-42421-33

Date Collected: 04/17/24 12:28
Date Received: 04/18/24 08:49

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	78639	04/18/24 13:36	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78565	04/19/24 00:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/19/24 00:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			79000	04/23/24 16:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 16:02	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78719	04/19/24 10:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78909	04/22/24 09:50	SMC	EET MID

Client Sample ID: SW-15, 0-4.1

Lab Sample ID: 880-42421-34

Date Collected: 04/17/24 11:03
Date Received: 04/18/24 08:49

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	78639	04/18/24 13:36	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78565	04/19/24 01:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78798	04/19/24 01:20	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Client Sample ID: SW-15, 0-4.1

Date Collected: 04/17/24 11:03
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42421-34

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			79000	04/23/24 16:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	78769	04/19/24 13:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79001	04/23/24 16:24	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78719	04/19/24 10:08	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78909	04/22/24 09:55	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

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. Job ID: 880-42421-1
Project/Site: Pony Riser Spill SDG: 23-0105-04

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: Pony Riser Spill

Job ID: 880-42421-1
SDG: 23-0105-04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42421-1	C-1, 9'	Solid	04/15/24 11:00	04/18/24 08:49
880-42421-2	C-3, 9'	Solid	04/15/24 11:04	04/18/24 08:49
880-42421-3	C-4, 7'	Solid	04/15/24 11:06	04/18/24 08:49
880-42421-4	C-5, 7'	Solid	04/15/24 11:08	04/18/24 08:49
880-42421-5	C-6, 7'	Solid	04/15/24 11:11	04/18/24 08:49
880-42421-6	C-7, 7'	Solid	04/15/24 11:13	04/18/24 08:49
880-42421-7	C-8, 7'	Solid	04/15/24 11:14	04/18/24 08:49
880-42421-8	SW-8, 4.1-7'	Solid	04/15/24 11:15	04/18/24 08:49
880-42421-9	SW-17, 4.1-7'	Solid	04/15/24 11:20	04/18/24 08:49
880-42421-10	SW-18, 4.1-7'	Solid	04/15/24 11:22	04/18/24 08:49
880-42421-11	SW-19, 4.1-7'	Solid	04/15/24 11:24	04/18/24 08:49
880-42421-12	SW-13, 4.1-7'	Solid	04/15/24 11:31	04/18/24 08:49
880-42421-13	SW-14, 4.1-7'	Solid	04/15/24 11:34	04/18/24 08:49
880-42421-14	SW-15, 4.1-6'	Solid	04/15/24 11:41	04/18/24 08:49
880-42421-15	SW-16, 4.1-7'	Solid	04/15/24 11:45	04/18/24 08:49
880-42421-16	C-52, 4.1	Solid	04/16/24 11:55	04/18/24 08:49
880-42421-17	C-53, 4.1	Solid	04/16/24 11:56	04/18/24 08:49
880-42421-18	C-54, 4.1	Solid	04/16/24 11:59	04/18/24 08:49
880-42421-19	C-55, 4.1	Solid	04/16/24 12:00	04/18/24 08:49
880-42421-20	C-56, 4.1	Solid	04/16/24 12:02	04/18/24 08:49
880-42421-21	C-57, 4.1	Solid	04/16/24 12:04	04/18/24 08:49
880-42421-22	C-58, 4.1	Solid	04/16/24 12:10	04/18/24 08:49
880-42421-23	SW-16, 0-4.1	Solid	04/16/24 11:06	04/18/24 08:49
880-42421-24	C-25, 4.1	Solid	04/17/24 11:25	04/18/24 08:49
880-42421-25	C-27, 4.1	Solid	04/17/24 11:24	04/18/24 08:49
880-42421-26	C-29, 4.1	Solid	04/17/24 11:23	04/18/24 08:49
880-42421-27	C-31, 4.1	Solid	04/17/24 11:22	04/18/24 08:49
880-42421-28	C-33, 4.1	Solid	04/17/24 11:30	04/18/24 08:49
880-42421-29	C-43, 4.1	Solid	04/17/24 11:32	04/18/24 08:49
880-42421-30	C-44, 4.1	Solid	04/17/24 11:28	04/18/24 08:49
880-42421-31	C-47, 4.1	Solid	04/17/24 11:29	04/18/24 08:49
880-42421-32	C-59, 4.1	Solid	04/17/24 11:20	04/18/24 08:49
880-42421-33	SW-14, 0-4.1	Solid	04/17/24 12:28	04/18/24 08:49
880-42421-34	SW-15, 0-4.1	Solid	04/17/24 11:03	04/18/24 08:49

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No. 3302
JSTODY

880-42421 Chain of Custody

1 OF 3

Larson & Associates, Inc.
Environmental Consultants

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

DATE 4/18/2024
PO# _____ LAB WORK ORDER#: _____
PROJECT LOCATION OR NAME Pony Riser Spill
LAI PROJECT # 23-0105-04 COLLECTOR DSL

Data Reported to

TRRP report? ☐ Yes ☐ No

TIME ZONE
Time zone/State: MST/NM

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015	DIESEL - MOD 8015	OIL - MOD 8015	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200 8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-1, 9'		4/15/24	1100	S	1				X		X		X	X	X													X		
C-3, 9'			1104																											
C-4, 7'			1106																											
C-5, 7'			1108																											
C-6, 7'			1111																											
C-7, 7'			1113																											
C-8, 7'			1114																											
SW-8, 4.1-7'			1115																											
SW-17, 4.1-7'			1120																											
SW-18, 4.1-7'			1122																											
SW-19, 4.1-7'			1124																											
SW-13, 4.1-7'			1131																											
SW-14, 4.1-7'			1134																											
SW-15, 4.1-6'			1141																											
SW-16, 4.1-7'			1145																											
TOTAL																														

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[signature]	4/18/24 0849	[signature]
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 4.9/4.8 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

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42421 No. 3303

CHAIN-OF-CUSTODY

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

Data Reported to

DATE 4/18/2024 PAGE 2 OF 3
PO# LAB WORK ORDER#
PROJECT LOCATION OR NAME Pony Riser Sp. 4
LAI PROJECT # 23-0105-04 COLLECTOR DSL

TRRP report? ☐ Yes ☒ No
TIME ZONE Time zone/State: MST / NM

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-52, 4.1		4/16/24	1155	S	1				X		X			X	X	X																X		
C-53, 4.1			1156																															
C-54, 4.1			1159																															
C-55, 4.1			1200																															
C-56, 4.1			1202																															
C-57, 4.1			1204																															
C-58, 4.1			1210																															
SW-14, 0-4.1			1106																															
C-25, 4.1		4/17/24	1125																															
C-22, 4.1			1124																															
C-29, 4.1			1123																															
C-31, 4.1			1122																															
C-33, 4.1			1130																															
C-43, 4.1			1132																															
C-44, 4.1			1125																															
TOTAL																																		

RELINQUISHED BY (Signature) DATE/TIME 4/18/24 0849 RECEIVED BY (Signature)
RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)
RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)
LABORATORY Xenco

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

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

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Received by OCD: 11/14/2024 4:51:29 PM

Loc: 880 42421

CHA

No. 3304

JSTODY

3 OF 3

Larson & Associates, Inc.
Environmental Consultants

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

Data Reported to

DATE 9/18/2024

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME Pony Riser Spill

LAI PROJECT # 23-0105-09 COLLECTOR DSC

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State: MST/NM

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

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

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	BTEX	TRPH	GASOLINE MOD 8015	DIESEL - MOD 8015	OIL - MOD 8015	VOC 8260	SVOC 8270	8081 PESTICIDES	8082 PCBS	TCLP - METALS (RCRA)	TCLP - PEST	TOTAL METALS (RCRA)	LEAD - TOTAL	RCI	TDS	pH	EXPLOSIVES	CHLORIDES	FIELD NOTES
C-47, 4.1		9/17/24	1129	S	1				X		X	X	X	X														
C-59, 4.1		"	1120	"	"				"		"	"	"	"													X	
SW-14, 0-4.1		"	1128	"	"				"		"	"	"	"													"	
SW-15, 0-4.1		"	1103	"	"				"		"	"	"	"													"	
TOTAL																												

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

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

LABORATORY Xenco

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

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

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-42421-1
SDG Number: 23-0105-04

Login Number: 42421
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/26/2024 3:19:43 PM

JOB DESCRIPTION

Pony Riser
23-0105-04

JOB NUMBER

880-42575-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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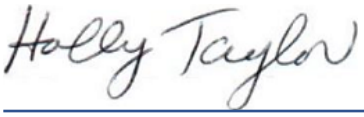
Eurofins Midland

Job Notes

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

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

Authorization



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4/26/2024 3:19:43 PM

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

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Laboratory Job ID: 880-42575-1
SDG: 23-0105-04

Table of Contents

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QC Sample Results 26
QC Association Summary 36
Lab Chronicle 42
Certification Summary 49
Method Summary 50
Sample Summary 51
Chain of Custody 52
Receipt Checklists 54

Eurofins Midland
4/26/2024

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project: Pony Riser

Job ID: 880-42575-1 Eurofins Midland

Job Narrative
880-42575-1

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 4/23/2024 9:27 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-13 0-4.1 (880-42575-1), SW-10 7-9 (880-42575-2), C-24 4.1 (880-42575-3), C-26 4.1 (880-42575-4), C-28 4.1 (880-42575-5), C-30 4.1 (880-42575-6), C-32 4.1 (880-42575-7), C-34 4.1 (880-42575-8), C-46 4.1 (880-42575-9), C-61 4.1 (880-42575-10), C-62 4.1 (880-42575-11), C-63 4.1 (880-42575-12), C-64 4.1 (880-42575-13), C-69 4.1 (880-42575-14), C-70 4.1 (880-42575-15), C-71 4.1 (880-42575-16), C-72 4.1 (880-42575-17), C-79 4.1 (880-42575-18), C-80 4.1 (880-42575-19), C-81 4.1 (880-42575-20), SW-20 2-4.1 (880-42575-21) and SW-22 3-4.1 (880-42575-22).

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-79283 and analytical batch 880-79277 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-79042 and analytical batch 880-79293 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.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-79042 and 880-79295 and analytical batch 880-79293 was outside the upper control limits.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-79283 and analytical batch 880-79277 recovered outside control limits for the following analytes: Benzene, Toluene, Ethylbenzene, m,p-Xylenes and o-Xylene.

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-79041 and analytical batch 880-79219 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
Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-79221 and analytical batch 880-79254 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.

Eurofins Midland

Released to Imaging: 3/4/2025 10:16:12 AM

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project: Pony Riser

Job ID: 880-42575-1 (Continued) Eurofins Midland

C-32 4.1 (880-42575-7) and C-34 4.1 (880-42575-8)

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-79221 and 880-79221 and analytical batch 880-79254 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.

C-46 4.1 (880-42575-9), C-61 4.1 (880-42575-10), C-62 4.1 (880-42575-11), C-63 4.1 (880-42575-12), C-64 4.1 (880-42575-13), C-69 4.1 (880-42575-14), C-70 4.1 (880-42575-15), C-71 4.1 (880-42575-16), C-72 4.1 (880-42575-17), C-79 4.1 (880-42575-18), (880-42575-A-9-D MS) and (880-42575-A-9-E MSD)

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: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: SW-13 0-4.1

Lab Sample ID: 880-42575-1
Matrix: Solid
Date Collected: 04/18/24 11:15
Date Received: 04/23/24 09:27

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		04/23/24 10:26	04/26/24 00:34	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		04/23/24 10:26	04/26/24 00:34	1
Ethylbenzene	<0.00199	U F1 F2	0.00199		mg/Kg		04/23/24 10:26	04/26/24 00:34	1
m,p-Xylenes	<0.00398	U F1 F2	0.00398		mg/Kg		04/23/24 10:26	04/26/24 00:34	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		04/23/24 10:26	04/26/24 00:34	1
Xylenes, Total	<0.00398	U F1 F2	0.00398		mg/Kg		04/23/24 10:26	04/26/24 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/23/24 10:26*	*04/26/24 00:34*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/23/24 10:26*	*04/26/24 00:34*	*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			04/26/24 00:34	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/24/24 12:31	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	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 12:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 12:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*04/23/24 10:20*	*04/24/24 12:31*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*04/23/24 10:20*	*04/24/24 12:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.0**		5.01		mg/Kg			04/25/24 18:56	1

Client Sample ID: SW-10 7-9

Lab Sample ID: 880-42575-2
Matrix: Solid
Date Collected: 04/18/24 11:40
Date Received: 04/23/24 09:27

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		04/23/24 10:26	04/26/24 00:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 00:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 00:55	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/23/24 10:26	04/26/24 00:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 00:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/23/24 10:26	04/26/24 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*04/23/24 10:26*	*04/26/24 00:55*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/23/24 10:26*	*04/26/24 00:55*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: SW-10 7-9

Date Collected: 04/18/24 11:40
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/26/24 00:55	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			04/24/24 13:15	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 13:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 13:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*117*		*70 - 130*	*04/23/24 10:20*	*04/24/24 13:15*	*1*
o-Terphenyl (Surr)	*127*		*70 - 130*	*04/23/24 10:20*	*04/24/24 13:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1540**		25.0		mg/Kg			04/25/24 19:02	5

Client Sample ID: C-24 4.1

Date Collected: 04/18/24 11:45
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/23/24 10:26	04/26/24 01:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/23/24 10:26	04/26/24 01:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/23/24 10:26	04/26/24 01:15	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		04/23/24 10:26	04/26/24 01:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/23/24 10:26	04/26/24 01:15	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/23/24 10:26	04/26/24 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/23/24 10:26*	*04/26/24 01:15*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/23/24 10:26*	*04/26/24 01:15*	*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			04/26/24 01:15	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			04/24/24 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		04/23/24 10:20	04/24/24 13:29	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/23/24 10:20	04/24/24 13:29	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-24 4.1

Date Collected: 04/18/24 11:45
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-3
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		04/23/24 10:20	04/24/24 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*04/23/24 10:20*	*04/24/24 13:29*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*04/23/24 10:20*	*04/24/24 13:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**811**		4.99		mg/Kg			04/25/24 19:08	1

Client Sample ID: C-26 4.1

Date Collected: 04/18/24 11:50
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-4
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		04/23/24 10:26	04/26/24 01:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/23/24 10:26	04/26/24 01:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/23/24 10:26	04/26/24 01:36	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/23/24 10:26	04/26/24 01:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/23/24 10:26	04/26/24 01:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/23/24 10:26	04/26/24 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*04/23/24 10:26*	*04/26/24 01:36*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/23/24 10:26*	*04/26/24 01:36*	*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			04/26/24 01:36	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			04/24/24 13:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/23/24 10:20	04/24/24 13:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/23/24 10:20	04/24/24 13:43	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/23/24 10:20	04/24/24 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*119*		*70 - 130*	*04/23/24 10:20*	*04/24/24 13:43*	*1*
o-Terphenyl (Surr)	*125*		*70 - 130*	*04/23/24 10:20*	*04/24/24 13:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2030**		24.8		mg/Kg			04/25/24 19:15	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-28 4.1

Date Collected: 04/18/24 12:10
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-5
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		04/23/24 10:26	04/26/24 01:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 01:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 01:56	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/23/24 10:26	04/26/24 01:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 01:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/23/24 10:26	04/26/24 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*04/23/24 10:26*	*04/26/24 01:56*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*04/23/24 10:26*	*04/26/24 01:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/26/24 01:56	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			04/24/24 13:58	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	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 13:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 13:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*04/23/24 10:20*	*04/24/24 13:58*	*1*
o-Terphenyl (Surr)	*123*		*70 - 130*	*04/23/24 10:20*	*04/24/24 13:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1580**		24.9		mg/Kg			04/25/24 19:21	5

Client Sample ID: C-30 4.1

Date Collected: 04/18/24 12:15
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/23/24 10:26	04/26/24 02:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/23/24 10:26	04/26/24 02:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/23/24 10:26	04/26/24 02:17	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/23/24 10:26	04/26/24 02:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/23/24 10:26	04/26/24 02:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/23/24 10:26	04/26/24 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*04/23/24 10:26*	*04/26/24 02:17*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/23/24 10:26*	*04/26/24 02:17*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-30 4.1 Lab Sample ID: 880-42575-6

Date Collected: 04/18/24 12:15 **Matrix: Solid**
Date Received: 04/23/24 09:27

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			04/26/24 02:17	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			04/24/24 14:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 14:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 14:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*04/23/24 10:20*	*04/24/24 14:12*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*04/23/24 10:20*	*04/24/24 14:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1790**		25.0		mg/Kg			04/25/24 19:27	5

Client Sample ID: C-32 4.1 Lab Sample ID: 880-42575-7

Date Collected: 04/18/24 12:25 **Matrix: Solid**
Date Received: 04/23/24 09:27

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		04/23/24 10:26	04/26/24 02:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/23/24 10:26	04/26/24 02:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/23/24 10:26	04/26/24 02:37	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/23/24 10:26	04/26/24 02:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/23/24 10:26	04/26/24 02:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/23/24 10:26	04/26/24 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/23/24 10:26*	*04/26/24 02:37*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*04/23/24 10:26*	*04/26/24 02:37*	*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			04/26/24 02:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/24/24 14:26	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		04/23/24 10:20	04/24/24 14:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/23/24 10:20	04/24/24 14:26	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-32 4.1

Date Collected: 04/18/24 12:25
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-7
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		04/23/24 10:20	04/24/24 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*04/23/24 10:20*	*04/24/24 14:26*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*04/23/24 10:20*	*04/24/24 14:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1150**		5.05		mg/Kg			04/25/24 02:09	1

Client Sample ID: C-34 4.1

Date Collected: 04/18/24 12:45
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/23/24 10:26	04/26/24 02:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/23/24 10:26	04/26/24 02:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/23/24 10:26	04/26/24 02:57	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		04/23/24 10:26	04/26/24 02:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/23/24 10:26	04/26/24 02:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/23/24 10:26	04/26/24 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*04/23/24 10:26*	*04/26/24 02:57*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/23/24 10:26*	*04/26/24 02:57*	*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			04/26/24 02:57	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			04/24/24 14:41	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 14:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 14:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*04/23/24 10:20*	*04/24/24 14:41*	*1*
o-Terphenyl (Surr)	*124*		*70 - 130*	*04/23/24 10:20*	*04/24/24 14:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1020**		4.98		mg/Kg			04/25/24 02:14	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-46 4.1

Date Collected: 04/18/24 12:50
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-9
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		04/23/24 10:26	04/26/24 03:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/23/24 10:26	04/26/24 03:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/23/24 10:26	04/26/24 03:18	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/23/24 10:26	04/26/24 03:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/23/24 10:26	04/26/24 03:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/23/24 10:26	04/26/24 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*04/23/24 10:26*	*04/26/24 03:18*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/23/24 10:26*	*04/26/24 03:18*	*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			04/26/24 03:18	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			04/24/24 14:55	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	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 14:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 14:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*04/23/24 10:20*	*04/24/24 14:55*	*1*
o-Terphenyl (Surr)	*123*		*70 - 130*	*04/23/24 10:20*	*04/24/24 14:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4330**	**F1**	49.9		mg/Kg			04/25/24 02:19	10

Client Sample ID: C-61 4.1

Date Collected: 04/18/24 12:52
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-10
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		04/23/24 10:26	04/26/24 03:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 03:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 03:38	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/23/24 10:26	04/26/24 03:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 03:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/23/24 10:26	04/26/24 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*04/23/24 10:26*	*04/26/24 03:38*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*04/23/24 10:26*	*04/26/24 03:38*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-61 4.1

Date Collected: 04/18/24 12:52
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/26/24 03:38	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			04/24/24 15:09	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		04/23/24 10:20	04/24/24 15:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 15:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*04/23/24 10:20*	*04/24/24 15:09*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*04/23/24 10:20*	*04/24/24 15:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**800**		5.04		mg/Kg			04/25/24 02:33	1

Client Sample ID: C-62 4.1

Date Collected: 04/18/24 12:54
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/25/24 14:09	04/25/24 22:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/25/24 14:09	04/25/24 22:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/25/24 14:09	04/25/24 22:52	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/25/24 14:09	04/25/24 22:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/25/24 14:09	04/25/24 22:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/25/24 14:09	04/25/24 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/25/24 14:09*	*04/25/24 22:52*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/25/24 14:09*	*04/25/24 22:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/25/24 22:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/24/24 15:37	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		04/23/24 10:20	04/24/24 15:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 15:37	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-62 4.1

Date Collected: 04/18/24 12:54
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-11
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)	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*04/23/24 10:20*	*04/24/24 15:37*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*04/23/24 10:20*	*04/24/24 15:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**902**		4.97		mg/Kg			04/25/24 02:38	1

Client Sample ID: C-63 4.1

Date Collected: 04/18/24 12:56
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/25/24 14:09	04/25/24 23:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/25/24 14:09	04/25/24 23:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/25/24 14:09	04/25/24 23:13	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		04/25/24 14:09	04/25/24 23:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/25/24 14:09	04/25/24 23:13	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/25/24 14:09	04/25/24 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/25/24 14:09*	*04/25/24 23:13*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/25/24 14:09*	*04/25/24 23:13*	*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			04/25/24 23:13	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			04/24/24 15:51	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	<49.7	U	49.7		mg/Kg		04/23/24 10:20	04/24/24 15:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/23/24 10:20	04/24/24 15:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/23/24 10:20	04/24/24 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*04/23/24 10:20*	*04/24/24 15:51*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*04/23/24 10:20*	*04/24/24 15:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**284**		5.03		mg/Kg			04/25/24 02:52	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-64 4.1

Date Collected: 04/18/24 12:58
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/25/24 14:09	04/25/24 23:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/25/24 14:09	04/25/24 23:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/25/24 14:09	04/25/24 23:33	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/25/24 14:09	04/25/24 23:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/25/24 14:09	04/25/24 23:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/25/24 14:09	04/25/24 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*04/25/24 14:09*	*04/25/24 23:33*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/25/24 14:09*	*04/25/24 23:33*	*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			04/25/24 23:33	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			04/24/24 16:06	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	<49.7	U	49.7		mg/Kg		04/23/24 10:20	04/24/24 16:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/23/24 10:20	04/24/24 16:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/23/24 10:20	04/24/24 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*04/23/24 10:20*	*04/24/24 16:06*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*04/23/24 10:20*	*04/24/24 16:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1330**		24.8		mg/Kg			04/25/24 02:57	5

Client Sample ID: C-69 4.1

Date Collected: 04/19/24 10:20
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-14
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		04/23/24 10:26	04/26/24 06:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 06:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 06:29	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/23/24 10:26	04/26/24 06:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 06:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/23/24 10:26	04/26/24 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*04/23/24 10:26*	*04/26/24 06:29*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/23/24 10:26*	*04/26/24 06:29*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-69 4.1

Date Collected: 04/19/24 10:20
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-14
Matrix: Solid

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			04/26/24 06:29	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			04/24/24 16:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/23/24 10:20	04/24/24 16:20	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/23/24 10:20	04/24/24 16:20	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/23/24 10:20	04/24/24 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*116*		*70 - 130*	*04/23/24 10:20*	*04/24/24 16:20*	*1*
o-Terphenyl (Surr)	*124*		*70 - 130*	*04/23/24 10:20*	*04/24/24 16:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**218**		5.04		mg/Kg			04/25/24 03:02	1

Client Sample ID: C-70 4.1

Date Collected: 04/19/24 10:24
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/23/24 10:26	04/26/24 06:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/23/24 10:26	04/26/24 06:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/23/24 10:26	04/26/24 06:50	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		04/23/24 10:26	04/26/24 06:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/23/24 10:26	04/26/24 06:50	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/23/24 10:26	04/26/24 06:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*04/23/24 10:26*	*04/26/24 06:50*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/23/24 10:26*	*04/26/24 06:50*	*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			04/26/24 06:50	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			04/24/24 16:34	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	<49.9	U	49.9		mg/Kg		04/23/24 10:20	04/24/24 16:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/23/24 10:20	04/24/24 16:34	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-70 4.1 Lab Sample ID: 880-42575-15

Date Collected: 04/19/24 10:24 **Matrix: Solid**
Date Received: 04/23/24 09:27

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		04/23/24 10:20	04/24/24 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*04/23/24 10:20*	*04/24/24 16:34*	*1*
o-Terphenyl (Surr)	*126*		*70 - 130*	*04/23/24 10:20*	*04/24/24 16:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3680**		24.9		mg/Kg			04/25/24 03:07	5

Client Sample ID: C-71 4.1 Lab Sample ID: 880-42575-16

Date Collected: 04/19/24 10:28 **Matrix: Solid**
Date Received: 04/23/24 09:27

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		04/23/24 10:26	04/26/24 07:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/23/24 10:26	04/26/24 07:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/23/24 10:26	04/26/24 07:10	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/23/24 10:26	04/26/24 07:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/23/24 10:26	04/26/24 07:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/23/24 10:26	04/26/24 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/23/24 10:26*	*04/26/24 07:10*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/23/24 10:26*	*04/26/24 07:10*	*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			04/26/24 07:10	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/24/24 16:49	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		04/23/24 10:20	04/24/24 16:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/23/24 10:20	04/24/24 16:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/23/24 10:20	04/24/24 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*04/23/24 10:20*	*04/24/24 16:49*	*1*
o-Terphenyl (Surr)	*126*		*70 - 130*	*04/23/24 10:20*	*04/24/24 16:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**662**		5.03		mg/Kg			04/25/24 03:12	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-72 4.1

Date Collected: 04/19/24 10:32
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-17

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		04/25/24 08:32	04/25/24 16:34	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		04/25/24 08:32	04/25/24 16:34	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		04/25/24 08:32	04/25/24 16:34	1
m,p-Xylenes	<0.00398	U *- *1	0.00398		mg/Kg		04/25/24 08:32	04/25/24 16:34	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		04/25/24 08:32	04/25/24 16:34	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		04/25/24 08:32	04/25/24 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/25/24 08:32*	*04/25/24 16:34*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/25/24 08:32*	*04/25/24 16:34*	*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			04/25/24 16:34	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			04/24/24 17:03	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	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 17:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 17:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*04/23/24 10:20*	*04/24/24 17:03*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*04/23/24 10:20*	*04/24/24 17:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1070**		5.04		mg/Kg			04/25/24 03:17	1

Client Sample ID: C-79 4.1

Date Collected: 04/19/24 11:10
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-18

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *- *1	0.00198		mg/Kg		04/25/24 08:32	04/25/24 16:55	1
Toluene	<0.00198	U *- *1	0.00198		mg/Kg		04/25/24 08:32	04/25/24 16:55	1
Ethylbenzene	<0.00198	U *- *1	0.00198		mg/Kg		04/25/24 08:32	04/25/24 16:55	1
m,p-Xylenes	<0.00396	U *- *1	0.00396		mg/Kg		04/25/24 08:32	04/25/24 16:55	1
o-Xylene	<0.00198	U *- *1	0.00198		mg/Kg		04/25/24 08:32	04/25/24 16:55	1
Xylenes, Total	<0.00396	U *- *1	0.00396		mg/Kg		04/25/24 08:32	04/25/24 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/25/24 08:32*	*04/25/24 16:55*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/25/24 08:32*	*04/25/24 16:55*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-79 4.1 Lab Sample ID: 880-42575-18

Date Collected: 04/19/24 11:10 **Matrix: Solid**
Date Received: 04/23/24 09:27

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			04/25/24 16:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/24/24 17:17	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		04/23/24 10:20	04/24/24 17:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 17:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/23/24 10:20	04/24/24 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*04/23/24 10:20*	*04/24/24 17:17*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*04/23/24 10:20*	*04/24/24 17:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**767**		4.97		mg/Kg			04/25/24 03:21	1

Client Sample ID: C-80 4.1 Lab Sample ID: 880-42575-19

Date Collected: 04/19/24 11:12 **Matrix: Solid**
Date Received: 04/23/24 09:27

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		04/25/24 08:32	04/25/24 17:15	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		04/25/24 08:32	04/25/24 17:15	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		04/25/24 08:32	04/25/24 17:15	1
m,p-Xylenes	<0.00398	U *- *1	0.00398		mg/Kg		04/25/24 08:32	04/25/24 17:15	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		04/25/24 08:32	04/25/24 17:15	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		04/25/24 08:32	04/25/24 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/25/24 08:32*	*04/25/24 17:15*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/25/24 08:32*	*04/25/24 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			04/25/24 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			04/24/24 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	<49.7	U	49.7		mg/Kg		04/23/24 10:20	04/24/24 17:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/23/24 10:20	04/24/24 17:31	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-80 4.1 Lab Sample ID: 880-42575-19

Date Collected: 04/19/24 11:12 **Matrix: Solid**
Date Received: 04/23/24 09:27

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		04/23/24 10:20	04/24/24 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*04/23/24 10:20*	*04/24/24 17:31*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*04/23/24 10:20*	*04/24/24 17:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**331**		5.04		mg/Kg			04/26/24 00:05	1

Client Sample ID: C-81 4.1 Lab Sample ID: 880-42575-20

Date Collected: 04/19/24 11:15 **Matrix: Solid**
Date Received: 04/23/24 09:27

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		04/25/24 08:32	04/25/24 17:36	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/25/24 08:32	04/25/24 17:36	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		04/25/24 08:32	04/25/24 17:36	1
m,p-Xylenes	<0.00399	U *- *1	0.00399		mg/Kg		04/25/24 08:32	04/25/24 17:36	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		04/25/24 08:32	04/25/24 17:36	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		04/25/24 08:32	04/25/24 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*04/25/24 08:32*	*04/25/24 17:36*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/25/24 08:32*	*04/25/24 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			04/25/24 17:36	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/24/24 17:45	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		04/23/24 10:20	04/24/24 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 17:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/23/24 10:20	04/24/24 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*04/23/24 10:20*	*04/24/24 17:45*	*1*
o-Terphenyl (Surr)	*117*		*70 - 130*	*04/23/24 10:20*	*04/24/24 17:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**631**		5.02		mg/Kg			04/26/24 00:24	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: SW-20 2-4.1

Lab Sample ID: 880-42575-21
Matrix: Solid
Date Collected: 04/19/24 11:35
Date Received: 04/23/24 09:27

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		04/25/24 08:32	04/25/24 17:56	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/25/24 08:32	04/25/24 17:56	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		04/25/24 08:32	04/25/24 17:56	1
m,p-Xylenes	<0.00401	U *- *1	0.00401		mg/Kg		04/25/24 08:32	04/25/24 17:56	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		04/25/24 08:32	04/25/24 17:56	1
Xylenes, Total	<0.00401	U *- *1	0.00401		mg/Kg		04/25/24 08:32	04/25/24 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/25/24 08:32*	*04/25/24 17:56*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/25/24 08:32*	*04/25/24 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			04/25/24 17:56	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/24/24 12:31	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	<50.0	U	50.0		mg/Kg		04/23/24 10:24	04/24/24 12:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		04/23/24 10:24	04/24/24 12:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/23/24 10:24	04/24/24 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*04/23/24 10:24*	*04/24/24 12:31*	*1*
o-Terphenyl (Surr)	*121*		*70 - 130*	*04/23/24 10:24*	*04/24/24 12:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.5**		5.01		mg/Kg			04/26/24 00:30	1

Client Sample ID: SW-22 3-4.1

Lab Sample ID: 880-42575-22
Matrix: Solid
Date Collected: 04/19/24 11:47
Date Received: 04/23/24 09:27

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		04/25/24 08:32	04/25/24 18:16	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/25/24 08:32	04/25/24 18:16	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		04/25/24 08:32	04/25/24 18:16	1
m,p-Xylenes	<0.00400	U *- *1	0.00400		mg/Kg		04/25/24 08:32	04/25/24 18:16	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		04/25/24 08:32	04/25/24 18:16	1
Xylenes, Total	<0.00400	U *- *1	0.00400		mg/Kg		04/25/24 08:32	04/25/24 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/25/24 08:32*	*04/25/24 18:16*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/25/24 08:32*	*04/25/24 18:16*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: SW-22 3-4.1

Date Collected: 04/19/24 11:47
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-22

Matrix: Solid

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			04/25/24 18:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/24/24 13:15	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/23/24 10:24	04/24/24 13:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/23/24 10:24	04/24/24 13:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/23/24 10:24	04/24/24 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*04/23/24 10:24*	*04/24/24 13:15*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*04/23/24 10:24*	*04/24/24 13:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.66**		4.97		mg/Kg			04/26/24 00:36	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

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)
880-41774-A-6-C MB	Method Blank	95	103
880-42575-1	SW-13 0-4.1	96	101
880-42575-1 MS	SW-13 0-4.1	107	98
880-42575-1 MSD	SW-13 0-4.1	114	101
880-42575-2	SW-10 7-9	119	111
880-42575-3	C-24 4.1	118	107
880-42575-4	C-26 4.1	125	108
880-42575-5	C-28 4.1	122	104
880-42575-6	C-30 4.1	123	105
880-42575-7	C-32 4.1	116	104
880-42575-8	C-34 4.1	133 S1+	107
880-42575-9	C-46 4.1	124	109
880-42575-10	C-61 4.1	119	116
880-42575-11	C-62 4.1	115	91
880-42575-11 MS	C-62 4.1	111	94
880-42575-11 MSD	C-62 4.1	111	98
880-42575-12	C-63 4.1	116	92
880-42575-13	C-64 4.1	117	93
880-42575-14	C-69 4.1	127	105
880-42575-15	C-70 4.1	124	110
880-42575-16	C-71 4.1	108	101
880-42575-17	C-72 4.1	114	91
880-42575-18	C-79 4.1	116	92
880-42575-19	C-80 4.1	116	92
880-42575-20	C-81 4.1	117	91
880-42575-21	SW-20 2-4.1	115	91
880-42575-22	SW-22 3-4.1	118	91
LCS 880-79042/1-A	Lab Control Sample	106	102
LCS 880-79283/1-A	Lab Control Sample	109	89
LCS 880-79323/1-A	Lab Control Sample	108	99
LCSD 880-79042/2-A	Lab Control Sample Dup	103	99
LCSD 880-79283/2-A	Lab Control Sample Dup	112	101
LCSD 880-79323/2-A	Lab Control Sample Dup	111	100
MB 880-79042/5-A	Method Blank	155 S1+	107
MB 880-79283/5-A	Method Blank	113	88
MB 880-79295/5-A	Method Blank	182 S1+	131 S1+
MB 880-79323/5-A	Method Blank	112	89

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)
880-42575-1	SW-13 0-4.1	112	120
880-42575-1 MS	SW-13 0-4.1	125	114

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-42575-1 MSD	SW-13 0-4.1	126	114								
880-42575-2	SW-10 7-9	117	127								
880-42575-3	C-24 4.1	111	118								
880-42575-4	C-26 4.1	119	125								
880-42575-5	C-28 4.1	113	123								
880-42575-6	C-30 4.1	112	120								
880-42575-7	C-32 4.1	111	119								
880-42575-8	C-34 4.1	115	124								
880-42575-9	C-46 4.1	114	123								
880-42575-10	C-61 4.1	110	118								
880-42575-11	C-62 4.1	115	122								
880-42575-12	C-63 4.1	114	119								
880-42575-13	C-64 4.1	112	122								
880-42575-14	C-69 4.1	116	124								
880-42575-15	C-70 4.1	118	126								
880-42575-16	C-71 4.1	118	126								
880-42575-17	C-72 4.1	110	118								
880-42575-18	C-79 4.1	113	119								
880-42575-19	C-80 4.1	112	119								
880-42575-20	C-81 4.1	110	117								
880-42575-21	SW-20 2-4.1	114	121								
880-42575-21 MS	SW-20 2-4.1	116	105								
880-42575-21 MSD	SW-20 2-4.1	115	103								
880-42575-22	SW-22 3-4.1	112	119								
LCS 880-79038/2-A	Lab Control Sample	107	95								
LCS 880-79041/2-A	Lab Control Sample	101	86								
LCSD 880-79038/3-A	Lab Control Sample Dup	108	94								
LCSD 880-79041/3-A	Lab Control Sample Dup	102	86								
MB 880-79038/1-A	Method Blank	95	99								
MB 880-79041/1-A	Method Blank	90	92								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-41774-A-6-C MB
Matrix: Solid
Analysis Batch: 79293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79042

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 10:26	04/26/24 05:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 10:26	04/26/24 05:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 10:26	04/26/24 05:28	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/25/24 10:26	04/26/24 05:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 10:26	04/26/24 05:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/25/24 10:26	04/26/24 05:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*04/25/24 10:26*	*04/26/24 05:28*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/25/24 10:26*	*04/26/24 05:28*	*1*

Lab Sample ID: MB 880-79042/5-A
Matrix: Solid
Analysis Batch: 79293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79042

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 00:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 00:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 00:06	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/23/24 10:26	04/26/24 00:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:26	04/26/24 00:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/23/24 10:26	04/26/24 00:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*	*04/23/24 10:26*	*04/26/24 00:06*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/23/24 10:26*	*04/26/24 00:06*	*1*

Lab Sample ID: LCS 880-79042/1-A
Matrix: Solid
Analysis Batch: 79293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79042

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1020		mg/Kg		102	70 - 130		
Toluene			0.100	0.09061		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.1080		mg/Kg		108	70 - 130		
m,p-Xylenes			0.200	0.2274		mg/Kg		114	70 - 130		
o-Xylene			0.100	0.09951		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-79042/2-A
Matrix: Solid
Analysis Batch: 79293

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79042

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09732		mg/Kg		97	70 - 130	5	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

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

Lab Sample ID: LCSD 880-79042/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79293 — **Prep Batch: 79042**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08960		mg/Kg		90	70 - 130	1	35
Ethylbenzene			0.100	0.09955		mg/Kg		100	70 - 130	8	35
m,p-Xylenes			0.200	0.2162		mg/Kg		108	70 - 130	5	35
o-Xylene			0.100	0.09631		mg/Kg		96	70 - 130	3	35

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

Lab Sample ID: 880-42575-1 MS — **Client Sample ID: SW-13 0-4.1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79293 — **Prep Batch: 79042**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.100	0.05340	F1	mg/Kg		53	70 - 130
Toluene	<0.00199	U F1	0.100	0.03905	F1	mg/Kg		39	70 - 130
Ethylbenzene	<0.00199	U F1 F2	0.100	0.02742	F1	mg/Kg		27	70 - 130
m,p-Xylenes	<0.00398	U F1 F2	0.200	0.06203	F1	mg/Kg		31	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.03227	F1	mg/Kg		32	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-42575-1 MSD — **Client Sample ID: SW-13 0-4.1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79293 — **Prep Batch: 79042**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.07331		mg/Kg		73	70 - 130	31	35
Toluene	<0.00199	U F1	0.100	0.05478	F1	mg/Kg		55	70 - 130	34	35
Ethylbenzene	<0.00199	U F1 F2	0.100	0.04243	F1 F2	mg/Kg		42	70 - 130	43	35
m,p-Xylenes	<0.00398	U F1 F2	0.200	0.09320	F1 F2	mg/Kg		47	70 - 130	40	35
o-Xylene	<0.00199	U F1	0.100	0.04554	F1	mg/Kg		46	70 - 130	34	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-79283/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79277 — **Prep Batch: 79283**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 08:32	04/25/24 11:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 08:32	04/25/24 11:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 08:32	04/25/24 11:14	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/25/24 08:32	04/25/24 11:14	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

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

Lab Sample ID: MB 880-79283/5-A
Matrix: Solid
Analysis Batch: 79277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79283

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 08:32	04/25/24 11:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/25/24 08:32	04/25/24 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/25/24 08:32*	*04/25/24 11:14*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/25/24 08:32*	*04/25/24 11:14*	*1*

Lab Sample ID: LCS 880-79283/1-A
Matrix: Solid
Analysis Batch: 79277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79283

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.05239	*-	mg/Kg		52	70 - 130		
Toluene			0.100	0.02566	*-	mg/Kg		26	70 - 130		
Ethylbenzene			0.100	0.01024	*-	mg/Kg		10	70 - 130		
m,p-Xylenes			0.200	0.01678	*-	mg/Kg		8	70 - 130		
o-Xylene			0.100	0.01041	*-	mg/Kg		10	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-79283/2-A
Matrix: Solid
Analysis Batch: 79277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79283

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1092	*1	mg/Kg		109	70 - 130	70	35
Toluene			0.100	0.1040	*1	mg/Kg		104	70 - 130	121	35
Ethylbenzene			0.100	0.1018	*1	mg/Kg		102	70 - 130	163	35
m,p-Xylenes			0.200	0.2029	*1	mg/Kg		101	70 - 130	169	35
o-Xylene			0.100	0.1034	*1	mg/Kg		103	70 - 130	163	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-79295/5-A
Matrix: Solid
Analysis Batch: 79293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79295

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 12:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 12:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 12:30	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/25/24 09:46	04/25/24 12:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 09:46	04/25/24 12:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/25/24 09:46	04/25/24 12:30	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	182	S1+	70 - 130	04/25/24 09:46	04/25/24 12:30	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130	04/25/24 09:46	04/25/24 12:30	1

Lab Sample ID: MB 880-79323/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79277 — **Prep Batch: 79323**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/25/24 14:09	04/25/24 22:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/25/24 14:09	04/25/24 22:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/25/24 14:09	04/25/24 22:31	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/25/24 14:09	04/25/24 22:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/25/24 14:09	04/25/24 22:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/25/24 14:09	04/25/24 22:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/25/24 14:09	04/25/24 22:31	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/25/24 14:09	04/25/24 22:31	1

Lab Sample ID: LCS 880-79323/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79277 — **Prep Batch: 79323**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1110		mg/Kg		111	70 - 130		
Toluene			0.100	0.1045		mg/Kg		105	70 - 130		
Ethylbenzene			0.100	0.1015		mg/Kg		102	70 - 130		
m,p-Xylenes			0.200	0.2003		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.1014		mg/Kg		101	70 - 130		

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

Lab Sample ID: LCSD 880-79323/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79277 — **Prep Batch: 79323**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1041		mg/Kg		104	70 - 130	6	35
Toluene			0.100	0.09892		mg/Kg		99	70 - 130	5	35
Ethylbenzene			0.100	0.09582		mg/Kg		96	70 - 130	6	35
m,p-Xylenes			0.200	0.1901		mg/Kg		95	70 - 130	5	35
o-Xylene			0.100	0.09824		mg/Kg		98	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

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

Lab Sample ID: 880-42575-11 MS
Matrix: Solid
Analysis Batch: 79277

Client Sample ID: C-62 4.1
Prep Type: Total/NA
Prep Batch: 79323

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.09854		mg/Kg		99	70 - 130
Toluene	<0.00199	U	0.100	0.09222		mg/Kg		92	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.09097		mg/Kg		91	70 - 130
m,p-Xylenes	<0.00398	U	0.200	0.1844		mg/Kg		92	70 - 130
o-Xylene	<0.00199	U	0.100	0.09488		mg/Kg		95	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-42575-11 MSD
Matrix: Solid
Analysis Batch: 79277

Client Sample ID: C-62 4.1
Prep Type: Total/NA
Prep Batch: 79323

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1053		mg/Kg		105	70 - 130	7	35
Toluene	<0.00199	U	0.100	0.09809		mg/Kg		98	70 - 130	6	35
Ethylbenzene	<0.00199	U	0.100	0.09726		mg/Kg		97	70 - 130	7	35
m,p-Xylenes	<0.00398	U	0.200	0.1977		mg/Kg		99	70 - 130	7	35
o-Xylene	<0.00199	U	0.100	0.1009		mg/Kg		101	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-79038/1-A
Matrix: Solid
Analysis Batch: 79215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79038

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		04/23/24 10:20	04/24/24 10:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/23/24 10:20	04/24/24 10:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/23/24 10:20	04/24/24 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*04/23/24 10:20*	*04/24/24 10:37*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*04/23/24 10:20*	*04/24/24 10:37*	*1*

Lab Sample ID: LCS 880-79038/2-A
Matrix: Solid
Analysis Batch: 79215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	971.6		mg/Kg		97	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

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

Lab Sample ID: LCS 880-79038/2-A
Matrix: Solid
Analysis Batch: 79215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79038

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	848.8		mg/Kg		85	70 - 130		

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

Lab Sample ID: LCSD 880-79038/3-A
Matrix: Solid
Analysis Batch: 79215

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79038

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	983.9		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	844.3		mg/Kg		84	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*108*		*70 - 130*
o-Terphenyl (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-42575-1 MS
Matrix: Solid
Analysis Batch: 79215

Client Sample ID: SW-13 0-4.1
Prep Type: Total/NA
Prep Batch: 79038

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	834.1		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	730.5		mg/Kg		72	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*125*		*70 - 130*
o-Terphenyl (Surr)	*114*		*70 - 130*

Lab Sample ID: 880-42575-1 MSD
Matrix: Solid
Analysis Batch: 79215

Client Sample ID: SW-13 0-4.1
Prep Type: Total/NA
Prep Batch: 79038

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	834.8		mg/Kg		83	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	782.6		mg/Kg		77	70 - 130	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*126*		*70 - 130*
o-Terphenyl (Surr)	*114*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

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

Lab Sample ID: MB 880-79041/1-A
Matrix: Solid
Analysis Batch: 79219

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79041

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		04/23/24 10:24	04/24/24 10:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/23/24 10:24	04/24/24 10:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/23/24 10:24	04/24/24 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*04/23/24 10:24*	*04/24/24 10:37*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*04/23/24 10:24*	*04/24/24 10:37*	*1*

Lab Sample ID: LCS 880-79041/2-A
Matrix: Solid
Analysis Batch: 79219

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79041

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	881.5		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	769.3		mg/Kg		77	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*101*		*70 - 130*
o-Terphenyl (Surr)	*86*		*70 - 130*

Lab Sample ID: LCSD 880-79041/3-A
Matrix: Solid
Analysis Batch: 79219

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79041

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	891.9		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	786.3		mg/Kg		79	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*102*		*70 - 130*
o-Terphenyl (Surr)	*86*		*70 - 130*

Lab Sample ID: 880-42575-21 MS
Matrix: Solid
Analysis Batch: 79219

Client Sample ID: SW-20 2-4.1
Prep Type: Total/NA
Prep Batch: 79041

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	712.0		mg/Kg		71	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	723.5		mg/Kg		73	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

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

Lab Sample ID: 880-42575-21 MS
Matrix: Solid
Analysis Batch: 79219

Client Sample ID: SW-20 2-4.1
Prep Type: Total/NA
Prep Batch: 79041

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	116		70 - 130
o-Terphenyl (Surr)	105		70 - 130

Lab Sample ID: 880-42575-21 MSD
Matrix: Solid
Analysis Batch: 79219

Client Sample ID: SW-20 2-4.1
Prep Type: Total/NA
Prep Batch: 79041

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	997	786.4		mg/Kg		79	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	690.6	F1	mg/Kg		69	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	115		70 - 130
o-Terphenyl (Surr)	103		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-79221/1-A
Matrix: Solid
Analysis Batch: 79254

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			04/25/24 00:56	1

Lab Sample ID: LCS 880-79221/2-A
Matrix: Solid
Analysis Batch: 79254

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-79221/3-A
Matrix: Solid
Analysis Batch: 79254

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	240.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-42575-9 MS
Matrix: Solid
Analysis Batch: 79254

Client Sample ID: C-46 4.1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4330	F1	2500	7489	F1	mg/Kg		127	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-42575-9 MSD
Matrix: Solid
Analysis Batch: 79254

Client Sample ID: C-46 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	4330	F1	2500	7456	F1	mg/Kg		125	90 - 110	0	20

Lab Sample ID: MB 880-79046/1-A
Matrix: Solid
Analysis Batch: 79300

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			04/25/24 16:18	1

Lab Sample ID: LCS 880-79046/2-A
Matrix: Solid
Analysis Batch: 79300

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	231.5		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-79046/3-A
Matrix: Solid
Analysis Batch: 79300

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	235.1		mg/Kg		94	90 - 110	2	20

Lab Sample ID: MB 880-79222/1-A
Matrix: Solid
Analysis Batch: 79306

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			04/25/24 23:46	1

Lab Sample ID: LCS 880-79222/2-A
Matrix: Solid
Analysis Batch: 79306

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	239.3		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-79222/3-A
Matrix: Solid
Analysis Batch: 79306

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	240.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-42575-19 MS
Matrix: Solid
Analysis Batch: 79306

Client Sample ID: C-80 4.1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	331		252	570.0		mg/Kg		95	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-42575-19 MSD
Matrix: Solid
Analysis Batch: 79306

Client Sample ID: C-80 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	331		252	569.1		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

GC VOA

Prep Batch: 79042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-1	SW-13 0-4.1	Total/NA	Solid	5035	
880-42575-2	SW-10 7-9	Total/NA	Solid	5035	
880-42575-3	C-24 4.1	Total/NA	Solid	5035	
880-42575-4	C-26 4.1	Total/NA	Solid	5035	
880-42575-5	C-28 4.1	Total/NA	Solid	5035	
880-42575-6	C-30 4.1	Total/NA	Solid	5035	
880-42575-7	C-32 4.1	Total/NA	Solid	5035	
880-42575-8	C-34 4.1	Total/NA	Solid	5035	
880-42575-9	C-46 4.1	Total/NA	Solid	5035	
880-42575-10	C-61 4.1	Total/NA	Solid	5035	
880-42575-14	C-69 4.1	Total/NA	Solid	5035	
880-42575-15	C-70 4.1	Total/NA	Solid	5035	
880-42575-16	C-71 4.1	Total/NA	Solid	5035	
880-41774-A-6-C MB	Method Blank	Total/NA	Solid	5035	
MB 880-79042/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-79042/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-79042/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42575-1 MS	SW-13 0-4.1	Total/NA	Solid	5035	
880-42575-1 MSD	SW-13 0-4.1	Total/NA	Solid	5035	

Analysis Batch: 79277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-11	C-62 4.1	Total/NA	Solid	8021B	79323
880-42575-12	C-63 4.1	Total/NA	Solid	8021B	79323
880-42575-13	C-64 4.1	Total/NA	Solid	8021B	79323
880-42575-17	C-72 4.1	Total/NA	Solid	8021B	79283
880-42575-18	C-79 4.1	Total/NA	Solid	8021B	79283
880-42575-19	C-80 4.1	Total/NA	Solid	8021B	79283
880-42575-20	C-81 4.1	Total/NA	Solid	8021B	79283
880-42575-21	SW-20 2-4.1	Total/NA	Solid	8021B	79283
880-42575-22	SW-22 3-4.1	Total/NA	Solid	8021B	79283
MB 880-79283/5-A	Method Blank	Total/NA	Solid	8021B	79283
MB 880-79323/5-A	Method Blank	Total/NA	Solid	8021B	79323
LCS 880-79283/1-A	Lab Control Sample	Total/NA	Solid	8021B	79283
LCS 880-79323/1-A	Lab Control Sample	Total/NA	Solid	8021B	79323
LCSD 880-79283/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	79283
LCSD 880-79323/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	79323
880-42575-11 MS	C-62 4.1	Total/NA	Solid	8021B	79323
880-42575-11 MSD	C-62 4.1	Total/NA	Solid	8021B	79323

Prep Batch: 79283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-17	C-72 4.1	Total/NA	Solid	5035	
880-42575-18	C-79 4.1	Total/NA	Solid	5035	
880-42575-19	C-80 4.1	Total/NA	Solid	5035	
880-42575-20	C-81 4.1	Total/NA	Solid	5035	
880-42575-21	SW-20 2-4.1	Total/NA	Solid	5035	
880-42575-22	SW-22 3-4.1	Total/NA	Solid	5035	
MB 880-79283/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-79283/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-79283/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

GC VOA

Analysis Batch: 79293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-1	SW-13 0-4.1	Total/NA	Solid	8021B	79042
880-42575-2	SW-10 7-9	Total/NA	Solid	8021B	79042
880-42575-3	C-24 4.1	Total/NA	Solid	8021B	79042
880-42575-4	C-26 4.1	Total/NA	Solid	8021B	79042
880-42575-5	C-28 4.1	Total/NA	Solid	8021B	79042
880-42575-6	C-30 4.1	Total/NA	Solid	8021B	79042
880-42575-7	C-32 4.1	Total/NA	Solid	8021B	79042
880-42575-8	C-34 4.1	Total/NA	Solid	8021B	79042
880-42575-9	C-46 4.1	Total/NA	Solid	8021B	79042
880-42575-10	C-61 4.1	Total/NA	Solid	8021B	79042
880-42575-14	C-69 4.1	Total/NA	Solid	8021B	79042
880-42575-15	C-70 4.1	Total/NA	Solid	8021B	79042
880-42575-16	C-71 4.1	Total/NA	Solid	8021B	79042
880-41774-A-6-C MB	Method Blank	Total/NA	Solid	8021B	79042
MB 880-79042/5-A	Method Blank	Total/NA	Solid	8021B	79042
MB 880-79295/5-A	Method Blank	Total/NA	Solid	8021B	79295
LCS 880-79042/1-A	Lab Control Sample	Total/NA	Solid	8021B	79042
LCSD 880-79042/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	79042
880-42575-1 MS	SW-13 0-4.1	Total/NA	Solid	8021B	79042
880-42575-1 MSD	SW-13 0-4.1	Total/NA	Solid	8021B	79042

Prep Batch: 79295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-79295/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 79323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-11	C-62 4.1	Total/NA	Solid	5035	
880-42575-12	C-63 4.1	Total/NA	Solid	5035	
880-42575-13	C-64 4.1	Total/NA	Solid	5035	
MB 880-79323/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-79323/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-79323/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42575-11 MS	C-62 4.1	Total/NA	Solid	5035	
880-42575-11 MSD	C-62 4.1	Total/NA	Solid	5035	

Analysis Batch: 79431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-1	SW-13 0-4.1	Total/NA	Solid	Total BTEX	
880-42575-2	SW-10 7-9	Total/NA	Solid	Total BTEX	
880-42575-3	C-24 4.1	Total/NA	Solid	Total BTEX	
880-42575-4	C-26 4.1	Total/NA	Solid	Total BTEX	
880-42575-5	C-28 4.1	Total/NA	Solid	Total BTEX	
880-42575-6	C-30 4.1	Total/NA	Solid	Total BTEX	
880-42575-7	C-32 4.1	Total/NA	Solid	Total BTEX	
880-42575-8	C-34 4.1	Total/NA	Solid	Total BTEX	
880-42575-9	C-46 4.1	Total/NA	Solid	Total BTEX	
880-42575-10	C-61 4.1	Total/NA	Solid	Total BTEX	
880-42575-11	C-62 4.1	Total/NA	Solid	Total BTEX	
880-42575-12	C-63 4.1	Total/NA	Solid	Total BTEX	
880-42575-13	C-64 4.1	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

GC VOA (Continued)

Analysis Batch: 79431 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-14	C-69 4.1	Total/NA	Solid	Total BTEX	
880-42575-15	C-70 4.1	Total/NA	Solid	Total BTEX	
880-42575-16	C-71 4.1	Total/NA	Solid	Total BTEX	
880-42575-17	C-72 4.1	Total/NA	Solid	Total BTEX	
880-42575-18	C-79 4.1	Total/NA	Solid	Total BTEX	
880-42575-19	C-80 4.1	Total/NA	Solid	Total BTEX	
880-42575-20	C-81 4.1	Total/NA	Solid	Total BTEX	
880-42575-21	SW-20 2-4.1	Total/NA	Solid	Total BTEX	
880-42575-22	SW-22 3-4.1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 79038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-1	SW-13 0-4.1	Total/NA	Solid	8015NM Prep	
880-42575-2	SW-10 7-9	Total/NA	Solid	8015NM Prep	
880-42575-3	C-24 4.1	Total/NA	Solid	8015NM Prep	
880-42575-4	C-26 4.1	Total/NA	Solid	8015NM Prep	
880-42575-5	C-28 4.1	Total/NA	Solid	8015NM Prep	
880-42575-6	C-30 4.1	Total/NA	Solid	8015NM Prep	
880-42575-7	C-32 4.1	Total/NA	Solid	8015NM Prep	
880-42575-8	C-34 4.1	Total/NA	Solid	8015NM Prep	
880-42575-9	C-46 4.1	Total/NA	Solid	8015NM Prep	
880-42575-10	C-61 4.1	Total/NA	Solid	8015NM Prep	
880-42575-11	C-62 4.1	Total/NA	Solid	8015NM Prep	
880-42575-12	C-63 4.1	Total/NA	Solid	8015NM Prep	
880-42575-13	C-64 4.1	Total/NA	Solid	8015NM Prep	
880-42575-14	C-69 4.1	Total/NA	Solid	8015NM Prep	
880-42575-15	C-70 4.1	Total/NA	Solid	8015NM Prep	
880-42575-16	C-71 4.1	Total/NA	Solid	8015NM Prep	
880-42575-17	C-72 4.1	Total/NA	Solid	8015NM Prep	
880-42575-18	C-79 4.1	Total/NA	Solid	8015NM Prep	
880-42575-19	C-80 4.1	Total/NA	Solid	8015NM Prep	
880-42575-20	C-81 4.1	Total/NA	Solid	8015NM Prep	
MB 880-79038/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79038/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-79038/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42575-1 MS	SW-13 0-4.1	Total/NA	Solid	8015NM Prep	
880-42575-1 MSD	SW-13 0-4.1	Total/NA	Solid	8015NM Prep	

Prep Batch: 79041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-21	SW-20 2-4.1	Total/NA	Solid	8015NM Prep	
880-42575-22	SW-22 3-4.1	Total/NA	Solid	8015NM Prep	
MB 880-79041/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79041/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-79041/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42575-21 MS	SW-20 2-4.1	Total/NA	Solid	8015NM Prep	
880-42575-21 MSD	SW-20 2-4.1	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

GC Semi VOA

Analysis Batch: 79215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-1	SW-13 0-4.1	Total/NA	Solid	8015B NM	79038
880-42575-2	SW-10 7-9	Total/NA	Solid	8015B NM	79038
880-42575-3	C-24 4.1	Total/NA	Solid	8015B NM	79038
880-42575-4	C-26 4.1	Total/NA	Solid	8015B NM	79038
880-42575-5	C-28 4.1	Total/NA	Solid	8015B NM	79038
880-42575-6	C-30 4.1	Total/NA	Solid	8015B NM	79038
880-42575-7	C-32 4.1	Total/NA	Solid	8015B NM	79038
880-42575-8	C-34 4.1	Total/NA	Solid	8015B NM	79038
880-42575-9	C-46 4.1	Total/NA	Solid	8015B NM	79038
880-42575-10	C-61 4.1	Total/NA	Solid	8015B NM	79038
880-42575-11	C-62 4.1	Total/NA	Solid	8015B NM	79038
880-42575-12	C-63 4.1	Total/NA	Solid	8015B NM	79038
880-42575-13	C-64 4.1	Total/NA	Solid	8015B NM	79038
880-42575-14	C-69 4.1	Total/NA	Solid	8015B NM	79038
880-42575-15	C-70 4.1	Total/NA	Solid	8015B NM	79038
880-42575-16	C-71 4.1	Total/NA	Solid	8015B NM	79038
880-42575-17	C-72 4.1	Total/NA	Solid	8015B NM	79038
880-42575-18	C-79 4.1	Total/NA	Solid	8015B NM	79038
880-42575-19	C-80 4.1	Total/NA	Solid	8015B NM	79038
880-42575-20	C-81 4.1	Total/NA	Solid	8015B NM	79038
MB 880-79038/1-A	Method Blank	Total/NA	Solid	8015B NM	79038
LCS 880-79038/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79038
LCSD 880-79038/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79038
880-42575-1 MS	SW-13 0-4.1	Total/NA	Solid	8015B NM	79038
880-42575-1 MSD	SW-13 0-4.1	Total/NA	Solid	8015B NM	79038

Analysis Batch: 79219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-21	SW-20 2-4.1	Total/NA	Solid	8015B NM	79041
880-42575-22	SW-22 3-4.1	Total/NA	Solid	8015B NM	79041
MB 880-79041/1-A	Method Blank	Total/NA	Solid	8015B NM	79041
LCS 880-79041/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79041
LCSD 880-79041/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79041
880-42575-21 MS	SW-20 2-4.1	Total/NA	Solid	8015B NM	79041
880-42575-21 MSD	SW-20 2-4.1	Total/NA	Solid	8015B NM	79041

Analysis Batch: 79318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-1	SW-13 0-4.1	Total/NA	Solid	8015 NM	
880-42575-2	SW-10 7-9	Total/NA	Solid	8015 NM	
880-42575-3	C-24 4.1	Total/NA	Solid	8015 NM	
880-42575-4	C-26 4.1	Total/NA	Solid	8015 NM	
880-42575-5	C-28 4.1	Total/NA	Solid	8015 NM	
880-42575-6	C-30 4.1	Total/NA	Solid	8015 NM	
880-42575-7	C-32 4.1	Total/NA	Solid	8015 NM	
880-42575-8	C-34 4.1	Total/NA	Solid	8015 NM	
880-42575-9	C-46 4.1	Total/NA	Solid	8015 NM	
880-42575-10	C-61 4.1	Total/NA	Solid	8015 NM	
880-42575-11	C-62 4.1	Total/NA	Solid	8015 NM	
880-42575-12	C-63 4.1	Total/NA	Solid	8015 NM	
880-42575-13	C-64 4.1	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

GC Semi VOA (Continued)

Analysis Batch: 79318 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-14	C-69 4.1	Total/NA	Solid	8015 NM	
880-42575-15	C-70 4.1	Total/NA	Solid	8015 NM	
880-42575-16	C-71 4.1	Total/NA	Solid	8015 NM	
880-42575-17	C-72 4.1	Total/NA	Solid	8015 NM	
880-42575-18	C-79 4.1	Total/NA	Solid	8015 NM	
880-42575-19	C-80 4.1	Total/NA	Solid	8015 NM	
880-42575-20	C-81 4.1	Total/NA	Solid	8015 NM	
880-42575-21	SW-20 2-4.1	Total/NA	Solid	8015 NM	
880-42575-22	SW-22 3-4.1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 79046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-1	SW-13 0-4.1	Soluble	Solid	DI Leach	
880-42575-2	SW-10 7-9	Soluble	Solid	DI Leach	
880-42575-3	C-24 4.1	Soluble	Solid	DI Leach	
880-42575-4	C-26 4.1	Soluble	Solid	DI Leach	
880-42575-5	C-28 4.1	Soluble	Solid	DI Leach	
880-42575-6	C-30 4.1	Soluble	Solid	DI Leach	
MB 880-79046/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-79046/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-79046/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 79221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-7	C-32 4.1	Soluble	Solid	DI Leach	
880-42575-8	C-34 4.1	Soluble	Solid	DI Leach	
880-42575-9	C-46 4.1	Soluble	Solid	DI Leach	
880-42575-10	C-61 4.1	Soluble	Solid	DI Leach	
880-42575-11	C-62 4.1	Soluble	Solid	DI Leach	
880-42575-12	C-63 4.1	Soluble	Solid	DI Leach	
880-42575-13	C-64 4.1	Soluble	Solid	DI Leach	
880-42575-14	C-69 4.1	Soluble	Solid	DI Leach	
880-42575-15	C-70 4.1	Soluble	Solid	DI Leach	
880-42575-16	C-71 4.1	Soluble	Solid	DI Leach	
880-42575-17	C-72 4.1	Soluble	Solid	DI Leach	
880-42575-18	C-79 4.1	Soluble	Solid	DI Leach	
MB 880-79221/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-79221/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-79221/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42575-9 MS	C-46 4.1	Soluble	Solid	DI Leach	
880-42575-9 MSD	C-46 4.1	Soluble	Solid	DI Leach	

Leach Batch: 79222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-19	C-80 4.1	Soluble	Solid	DI Leach	
880-42575-20	C-81 4.1	Soluble	Solid	DI Leach	
880-42575-21	SW-20 2-4.1	Soluble	Solid	DI Leach	
880-42575-22	SW-22 3-4.1	Soluble	Solid	DI Leach	
MB 880-79222/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

HPLC/IC (Continued)

Leach Batch: 79222 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-79222/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-79222/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42575-19 MS	C-80 4.1	Soluble	Solid	DI Leach	
880-42575-19 MSD	C-80 4.1	Soluble	Solid	DI Leach	

Analysis Batch: 79254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-7	C-32 4.1	Soluble	Solid	300.0	79221
880-42575-8	C-34 4.1	Soluble	Solid	300.0	79221
880-42575-9	C-46 4.1	Soluble	Solid	300.0	79221
880-42575-10	C-61 4.1	Soluble	Solid	300.0	79221
880-42575-11	C-62 4.1	Soluble	Solid	300.0	79221
880-42575-12	C-63 4.1	Soluble	Solid	300.0	79221
880-42575-13	C-64 4.1	Soluble	Solid	300.0	79221
880-42575-14	C-69 4.1	Soluble	Solid	300.0	79221
880-42575-15	C-70 4.1	Soluble	Solid	300.0	79221
880-42575-16	C-71 4.1	Soluble	Solid	300.0	79221
880-42575-17	C-72 4.1	Soluble	Solid	300.0	79221
880-42575-18	C-79 4.1	Soluble	Solid	300.0	79221
MB 880-79221/1-A	Method Blank	Soluble	Solid	300.0	79221
LCS 880-79221/2-A	Lab Control Sample	Soluble	Solid	300.0	79221
LCSD 880-79221/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	79221
880-42575-9 MS	C-46 4.1	Soluble	Solid	300.0	79221
880-42575-9 MSD	C-46 4.1	Soluble	Solid	300.0	79221

Analysis Batch: 79300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-1	SW-13 0-4.1	Soluble	Solid	300.0	79046
880-42575-2	SW-10 7-9	Soluble	Solid	300.0	79046
880-42575-3	C-24 4.1	Soluble	Solid	300.0	79046
880-42575-4	C-26 4.1	Soluble	Solid	300.0	79046
880-42575-5	C-28 4.1	Soluble	Solid	300.0	79046
880-42575-6	C-30 4.1	Soluble	Solid	300.0	79046
MB 880-79046/1-A	Method Blank	Soluble	Solid	300.0	79046
LCS 880-79046/2-A	Lab Control Sample	Soluble	Solid	300.0	79046
LCSD 880-79046/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	79046

Analysis Batch: 79306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42575-19	C-80 4.1	Soluble	Solid	300.0	79222
880-42575-20	C-81 4.1	Soluble	Solid	300.0	79222
880-42575-21	SW-20 2-4.1	Soluble	Solid	300.0	79222
880-42575-22	SW-22 3-4.1	Soluble	Solid	300.0	79222
MB 880-79222/1-A	Method Blank	Soluble	Solid	300.0	79222
LCS 880-79222/2-A	Lab Control Sample	Soluble	Solid	300.0	79222
LCSD 880-79222/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	79222
880-42575-19 MS	C-80 4.1	Soluble	Solid	300.0	79222
880-42575-19 MSD	C-80 4.1	Soluble	Solid	300.0	79222

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: SW-13 0-4.1

Lab Sample ID: 880-42575-1

Date Collected: 04/18/24 11:15
Matrix: Solid
Date Received: 04/23/24 09:27

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	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 00:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 12:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 12:31	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	79046	04/23/24 10:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79300	04/25/24 18:56	SMC	EET MID

Client Sample ID: SW-10 7-9

Lab Sample ID: 880-42575-2

Date Collected: 04/18/24 11:40
Matrix: Solid
Date Received: 04/23/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 00:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 00:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 13:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 13:15	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	79046	04/23/24 10:36	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	79300	04/25/24 19:02	SMC	EET MID

Client Sample ID: C-24 4.1

Lab Sample ID: 880-42575-3

Date Collected: 04/18/24 11:45
Matrix: Solid
Date Received: 04/23/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 01:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 13:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 13:29	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	79046	04/23/24 10:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79300	04/25/24 19:08	SMC	EET MID

Client Sample ID: C-26 4.1

Lab Sample ID: 880-42575-4

Date Collected: 04/18/24 11:50
Matrix: Solid
Date Received: 04/23/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 01:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 01:36	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-26 4.1

Date Collected: 04/18/24 11:50
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-4
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			79318	04/24/24 13:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 13:43	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	79046	04/23/24 10:36	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	79300	04/25/24 19:15	SMC	EET MID

Client Sample ID: C-28 4.1

Date Collected: 04/18/24 12:10
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 01:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 01:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 13:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 13:58	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	79046	04/23/24 10:36	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	79300	04/25/24 19:21	SMC	EET MID

Client Sample ID: C-30 4.1

Date Collected: 04/18/24 12:15
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-6
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			5.03 g	5 mL	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 02:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 02:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 14:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 14:12	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	79046	04/23/24 10:36	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	79300	04/25/24 19:27	SMC	EET MID

Client Sample ID: C-32 4.1

Date Collected: 04/18/24 12:25
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-7
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			5.02 g	5 mL	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 02:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 02:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 14:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 14:26	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-32 4.1 — Lab Sample ID: 880-42575-7

Date Collected: 04/18/24 12:25 **Matrix: Solid**
Date Received: 04/23/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	79221	04/24/24 10:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79254	04/25/24 02:09	SMC	EET MID

Client Sample ID: C-34 4.1 — Lab Sample ID: 880-42575-8

Date Collected: 04/18/24 12:45 **Matrix: Solid**
Date Received: 04/23/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 02:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 02:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 14:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 14:41	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79221	04/24/24 10:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79254	04/25/24 02:14	SMC	EET MID

Client Sample ID: C-46 4.1 — Lab Sample ID: 880-42575-9

Date Collected: 04/18/24 12:50 **Matrix: Solid**
Date Received: 04/23/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 03:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 03:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 14:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 14:55	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	79221	04/24/24 10:01	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	79254	04/25/24 02:19	SMC	EET MID

Client Sample ID: C-61 4.1 — Lab Sample ID: 880-42575-10

Date Collected: 04/18/24 12:52 **Matrix: Solid**
Date Received: 04/23/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 03:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 03:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 15:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 15:09	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79221	04/24/24 10:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79254	04/25/24 02:33	SMC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-62 4.1

Date Collected: 04/18/24 12:54
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-11

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			5.02 g	5 mL	79323	04/25/24 14:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79277	04/25/24 22:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/25/24 22:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 15:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 15:37	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	79221	04/24/24 10:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79254	04/25/24 02:38	SMC	EET MID

Client Sample ID: C-63 4.1

Date Collected: 04/18/24 12:56
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-12

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			4.95 g	5 mL	79323	04/25/24 14:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79277	04/25/24 23:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/25/24 23:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 15:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 15:51	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	79221	04/24/24 10:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79254	04/25/24 02:52	SMC	EET MID

Client Sample ID: C-64 4.1

Date Collected: 04/18/24 12:58
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	79323	04/25/24 14:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79277	04/25/24 23:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/25/24 23:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 16:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 16:06	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	79221	04/24/24 10:01	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	79254	04/25/24 02:57	SMC	EET MID

Client Sample ID: C-69 4.1

Date Collected: 04/19/24 10:20
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-14

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			5.00 g	5 mL	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 06:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 06:29	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-69 4.1

Date Collected: 04/19/24 10:20
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-14

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			79318	04/24/24 16:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 16:20	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79221	04/24/24 10:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79254	04/25/24 03:02	SMC	EET MID

Client Sample ID: C-70 4.1

Date Collected: 04/19/24 10:24
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-15

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			5.05 g	5 mL	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 06:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 06:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 16:34	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 16:34	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79221	04/24/24 10:01	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	79254	04/25/24 03:07	SMC	EET MID

Client Sample ID: C-71 4.1

Date Collected: 04/19/24 10:28
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-16

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			5.02 g	5 mL	79042	04/23/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79293	04/26/24 07:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/26/24 07:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 16:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 16:49	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	79221	04/24/24 10:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79254	04/25/24 03:12	SMC	EET MID

Client Sample ID: C-72 4.1

Date Collected: 04/19/24 10:32
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-17

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			5.03 g	5 mL	79283	04/25/24 08:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79277	04/25/24 16:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/25/24 16:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 17:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 17:03	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: C-72 4.1

Date Collected: 04/19/24 10:32
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-17
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			4.96 g	50 mL	79221	04/24/24 10:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79254	04/25/24 03:17	SMC	EET MID

Client Sample ID: C-79 4.1

Date Collected: 04/19/24 11:10
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	79283	04/25/24 08:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79277	04/25/24 16:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/25/24 16:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 17:17	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 17:17	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	79221	04/24/24 10:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79254	04/25/24 03:21	SMC	EET MID

Client Sample ID: C-80 4.1

Date Collected: 04/19/24 11:12
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	79283	04/25/24 08:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79277	04/25/24 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/25/24 17:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 17:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 17:31	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79222	04/24/24 10:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79306	04/26/24 00:05	SMC	EET MID

Client Sample ID: C-81 4.1

Date Collected: 04/19/24 11:15
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-20
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			5.01 g	5 mL	79283	04/25/24 08:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79277	04/25/24 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/25/24 17:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 17:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	79038	04/23/24 10:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79215	04/24/24 17:45	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	79222	04/24/24 10:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79306	04/26/24 00:24	SMC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Client Sample ID: SW-20 2-4.1

Date Collected: 04/19/24 11:35
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-21

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	79283	04/25/24 08:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79277	04/25/24 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/25/24 17:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 12:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79041	04/23/24 10:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79219	04/24/24 12:31	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	79222	04/24/24 10:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79306	04/26/24 00:30	SMC	EET MID

Client Sample ID: SW-22 3-4.1

Date Collected: 04/19/24 11:47
Date Received: 04/23/24 09:27

Lab Sample ID: 880-42575-22

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			5.00 g	5 mL	79283	04/25/24 08:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79277	04/25/24 18:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79431	04/25/24 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			79318	04/24/24 13:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	79041	04/23/24 10:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79219	04/24/24 13:15	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	79222	04/24/24 10:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79306	04/26/24 00:36	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

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. Job ID: 880-42575-1
Project/Site: Pony Riser SDG: 23-0105-04

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: Pony Riser

Job ID: 880-42575-1
SDG: 23-0105-04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42575-1	SW-13 0-4.1	Solid	04/18/24 11:15	04/23/24 09:27
880-42575-2	SW-10 7-9	Solid	04/18/24 11:40	04/23/24 09:27
880-42575-3	C-24 4.1	Solid	04/18/24 11:45	04/23/24 09:27
880-42575-4	C-26 4.1	Solid	04/18/24 11:50	04/23/24 09:27
880-42575-5	C-28 4.1	Solid	04/18/24 12:10	04/23/24 09:27
880-42575-6	C-30 4.1	Solid	04/18/24 12:15	04/23/24 09:27
880-42575-7	C-32 4.1	Solid	04/18/24 12:25	04/23/24 09:27
880-42575-8	C-34 4.1	Solid	04/18/24 12:45	04/23/24 09:27
880-42575-9	C-46 4.1	Solid	04/18/24 12:50	04/23/24 09:27
880-42575-10	C-61 4.1	Solid	04/18/24 12:52	04/23/24 09:27
880-42575-11	C-62 4.1	Solid	04/18/24 12:54	04/23/24 09:27
880-42575-12	C-63 4.1	Solid	04/18/24 12:56	04/23/24 09:27
880-42575-13	C-64 4.1	Solid	04/18/24 12:58	04/23/24 09:27
880-42575-14	C-69 4.1	Solid	04/19/24 10:20	04/23/24 09:27
880-42575-15	C-70 4.1	Solid	04/19/24 10:24	04/23/24 09:27
880-42575-16	C-71 4.1	Solid	04/19/24 10:28	04/23/24 09:27
880-42575-17	C-72 4.1	Solid	04/19/24 10:32	04/23/24 09:27
880-42575-18	C-79 4.1	Solid	04/19/24 11:10	04/23/24 09:27
880-42575-19	C-80 4.1	Solid	04/19/24 11:12	04/23/24 09:27
880-42575-20	C-81 4.1	Solid	04/19/24 11:15	04/23/24 09:27
880-42575-21	SW-20 2-4.1	Solid	04/19/24 11:35	04/23/24 09:27
880-42575-22	SW-22 3-4.1	Solid	04/19/24 11:47	04/23/24 09:27

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42575

No. 3257

CHAIN-OF-CUSTODY

4/26/2024

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

DATE 4/19/2024 PAGE 1 OF 2

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME PONY RISER

LAI PROJECT # 23-0105-04 COLLECTOR DSG

Data Reported to Mark Larson

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State: MNT / NM

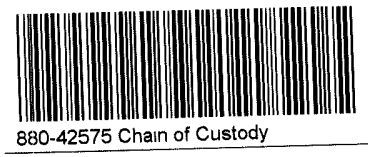
S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

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

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	BTEX	MTBE	TRPH 418.1	TPH 1005	TPH 1006	GASOLINE MOD 8015	DIESEL - MOD 8015	OIL - MOD 8015	VOC 8260	SVOC 8270	PAH 8270	HOLDPAH	8081 PESTICIDES	8151 HERBICIDES	8082 PCBS	TCLP - METALS (RCRA)	TCLP VOC	TCLP - PEST	HERB	Semi-VOC	TOTAL METALS (RCRA)	OTHER LIST	LEAD - TOTAL	D W 200.8	TCLP	RCI	TOX	TDS	TSS	FLASHPOINT	pH	% MOISTURE	CYANIDE	HEXAVALENT CHROMIUM	EXPLOSIVES	PECHLORATE	CHLORIDES	ANIONS	ALKALINITY	FIELD NOTES
SW-13 0-4.1		4/18/24	1115	S	1				X		X		X	X	X																														X			
SW-10 7-9			1140																																													
C-24 4.1			1145																																													
C-26 4.1			1150																																													
C-28 4.1			1210																																													
C-30 4.1			1215																																													
C-32 4.1			1225																																													
C-34 4.1			1245																																													
C-46 4.1			1250																																													
C-61 4.1			1252																																													
C-62 4.1			1254																																													
C-63 4.1			1256																																													
C-64 4.1			1258																																													
C-69 4.1		4/19/24	1020																																														
C-70 4.1			1024																																													

TOTAL 15



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[signature]	4/23 927	[signature]
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 03/02 THERM# IR8 -10
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

Received by OCD: 11/14/2024 4:51:29 PM

Released to Imaging: 3/4/2025 10:16:12 AM

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42575

No. 3258

CHAIN-OF-CUSTODY

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

Data Reported to: Mark Larson

DATE 4/19/2024 PAGE 2 OF 2

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME PONY RISER

LAI PROJECT # 23-0105-64 COLLECTOR DSG

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State: MNT/NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	CYANIDE ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-71 4.1		4/19/24	1028	S	1				X		X		X	X	X																									X			
C-72 4.1			1032																																							
C-79 4.1			1110																																							
C-80 4.1			1112																																							
C-81 4.1			1115																																							
SW-20 2-4.1			1135																																							
SW-22 3-4.1			1147																																							

Loc: 880
42575

TOTAL 7

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
[signature]	4/23 927	[signature]
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

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

4/26/2024
Page 53 of 54
Received by OCD: 11/14/2024 4:51:29 PM
Released to Imaging: 3/4/2025 10:16:12 AM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-42575-1
SDG Number: 23-0105-04

Login Number: 42575
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/9/2024 4:18:47 PM

JOB DESCRIPTION

Pony Riser
23-0105-04

JOB NUMBER

880-42977-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/4/2025 10:16:12 AM

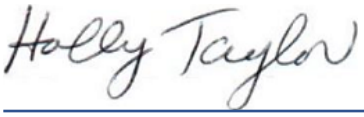
Eurofins Midland

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
5/9/2024 4:18:47 PM

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

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Laboratory Job ID: 880-42977-1
SDG: 23-0105-04

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QC Sample Results 8
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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-42977-1
Project/Site: Pony Riser SDG: 23-0105-04

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-42977-1
Project: Pony Riser

Job ID: 880-42977-1 Eurofins Midland

Job Narrative
880-42977-1

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 sample was received on 5/2/2024 8:28 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 5.7°C.

Receipt Exceptions
Project number changed per Daniel St Germain (email)
SW-08 4.1-7 (880-42977-1)

The following sample was received and analyzed from an unpreserved bulk soil jar: SW-08 4.1-7 (880-42977-1).

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-79949 and analytical batch 880-80304 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.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-42977-A-1-E MS) and (880-42977-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.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42977-1
SDG: 23-0105-04

Client Sample ID: SW-08 4.1-7

Date Collected: 05/01/24 11:00
Date Received: 05/02/24 08:28

Lab Sample ID: 880-42977-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/02/24 11:19	05/02/24 19:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/02/24 11:19	05/02/24 19:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/02/24 11:19	05/02/24 19:09	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/02/24 11:19	05/02/24 19:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/02/24 11:19	05/02/24 19:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/02/24 11:19	05/02/24 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/02/24 11:19*	*05/02/24 19:09*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/02/24 11:19*	*05/02/24 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			05/02/24 19:09	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			05/08/24 20:17	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/03/24 15:51	05/08/24 20:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/03/24 15:51	05/08/24 20:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/03/24 15:51	05/08/24 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*127*		*70 - 130*	*05/03/24 15:51*	*05/08/24 20:17*	*1*
o-Terphenyl (Surr)	*126*		*70 - 130*	*05/03/24 15:51*	*05/08/24 20:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1960**		25.1		mg/Kg			05/02/24 18:50	5

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42977-1
SDG: 23-0105-04

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)
880-42977-1	SW-08 4.1-7	114	102
LCS 880-79843/1-A	Lab Control Sample	110	101
LCSD 880-79843/2-A	Lab Control Sample Dup	109	103
MB 880-79843/5-A	Method Blank	110	100

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)
880-42977-1	SW-08 4.1-7	127	126
880-42977-1 MS	SW-08 4.1-7	139 S1+	118
880-42977-1 MSD	SW-08 4.1-7	146 S1+	125
LCS 880-79949/2-A	Lab Control Sample	110	92
LCSD 880-79949/3-A	Lab Control Sample Dup	112	94
MB 880-79949/1-A	Method Blank	120	122

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42977-1
SDG: 23-0105-04

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-79843/5-A
Matrix: Solid
Analysis Batch: 79818

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79843

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/02/24 11:19	05/02/24 13:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/02/24 11:19	05/02/24 13:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/02/24 11:19	05/02/24 13:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/02/24 11:19	05/02/24 13:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/02/24 11:19	05/02/24 13:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/02/24 11:19	05/02/24 13:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/02/24 11:19*	*05/02/24 13:08*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/02/24 11:19*	*05/02/24 13:08*	*1*

Lab Sample ID: LCS 880-79843/1-A
Matrix: Solid
Analysis Batch: 79818

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79843

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08798		mg/Kg		88	70 - 130		
Toluene			0.100	0.09017		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.09395		mg/Kg		94	70 - 130		
m,p-Xylenes			0.200	0.1981		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.1001		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-79843/2-A
Matrix: Solid
Analysis Batch: 79818

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79843

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08924		mg/Kg		89	70 - 130	1	35
Toluene			0.100	0.08724		mg/Kg		87	70 - 130	3	35
Ethylbenzene			0.100	0.08046		mg/Kg		80	70 - 130	15	35
m,p-Xylenes			0.200	0.1777		mg/Kg		89	70 - 130	11	35
o-Xylene			0.100	0.08445		mg/Kg		84	70 - 130	17	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42977-1
SDG: 23-0105-04

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

Lab Sample ID: MB 880-79949/1-A
Matrix: Solid
Analysis Batch: 80304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79949

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/03/24 15:51	05/08/24 18:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/03/24 15:51	05/08/24 18:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/03/24 15:51	05/08/24 18:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*120*		*70 - 130*	*05/03/24 15:51*	*05/08/24 18:21*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*05/03/24 15:51*	*05/08/24 18:21*	*1*

Lab Sample ID: LCS 880-79949/2-A
Matrix: Solid
Analysis Batch: 80304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79949

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	961.4		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	873.9		mg/Kg		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*110*		*70 - 130*
o-Terphenyl (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 880-79949/3-A
Matrix: Solid
Analysis Batch: 80304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79949

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1036		mg/Kg		104	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	897.7		mg/Kg		90	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*112*		*70 - 130*
o-Terphenyl (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-42977-1 MS
Matrix: Solid
Analysis Batch: 80304

Client Sample ID: SW-08 4.1-7
Prep Type: Total/NA
Prep Batch: 79949

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	1010	1241		mg/Kg		123	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	1107		mg/Kg		108	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42977-1
SDG: 23-0105-04

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

Lab Sample ID: 880-42977-1 MS
Matrix: Solid
Analysis Batch: 80304

Client Sample ID: SW-08 4.1-7
Prep Type: Total/NA
Prep Batch: 79949

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	139	S1+	70 - 130
o-Terphenyl (Surr)	118		70 - 130

Lab Sample ID: 880-42977-1 MSD
Matrix: Solid
Analysis Batch: 80304

Client Sample ID: SW-08 4.1-7
Prep Type: Total/NA
Prep Batch: 79949

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	1010	1201		mg/Kg		119	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	1181		mg/Kg		116	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	146	S1+	70 - 130
o-Terphenyl (Surr)	125		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-79870/1-A
Matrix: Solid
Analysis Batch: 79876

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/02/24 16:18	1

Lab Sample ID: LCS 880-79870/2-A
Matrix: Solid
Analysis Batch: 79876

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	232.3		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-79870/3-A
Matrix: Solid
Analysis Batch: 79876

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	232.1		mg/Kg		93	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42977-1
SDG: 23-0105-04

GC VOA

Analysis Batch: 79818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42977-1	SW-08 4.1-7	Total/NA	Solid	8021B	79843
MB 880-79843/5-A	Method Blank	Total/NA	Solid	8021B	79843
LCS 880-79843/1-A	Lab Control Sample	Total/NA	Solid	8021B	79843
LCSD 880-79843/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	79843

Prep Batch: 79843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42977-1	SW-08 4.1-7	Total/NA	Solid	5035	
MB 880-79843/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-79843/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-79843/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 80083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42977-1	SW-08 4.1-7	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 79949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42977-1	SW-08 4.1-7	Total/NA	Solid	8015NM Prep	
MB 880-79949/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79949/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-79949/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42977-1 MS	SW-08 4.1-7	Total/NA	Solid	8015NM Prep	
880-42977-1 MSD	SW-08 4.1-7	Total/NA	Solid	8015NM Prep	

Analysis Batch: 80304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42977-1	SW-08 4.1-7	Total/NA	Solid	8015B NM	79949
MB 880-79949/1-A	Method Blank	Total/NA	Solid	8015B NM	79949
LCS 880-79949/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79949
LCSD 880-79949/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79949
880-42977-1 MS	SW-08 4.1-7	Total/NA	Solid	8015B NM	79949
880-42977-1 MSD	SW-08 4.1-7	Total/NA	Solid	8015B NM	79949

Analysis Batch: 80388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42977-1	SW-08 4.1-7	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 79870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42977-1	SW-08 4.1-7	Soluble	Solid	DI Leach	
MB 880-79870/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-79870/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-79870/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 79876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42977-1	SW-08 4.1-7	Soluble	Solid	300.0	79870

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-42977-1
Project/Site: Pony Riser SDG: 23-0105-04

HPLC/IC (Continued)

Analysis Batch: 79876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-79870/1-A	Method Blank	Soluble	Solid	300.0	79870
LCS 880-79870/2-A	Lab Control Sample	Soluble	Solid	300.0	79870
LCSD 880-79870/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	79870

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-42977-1
SDG: 23-0105-04

Client Sample ID: SW-08 4.1-7
Date Collected: 05/01/24 11:00
Date Received: 05/02/24 08:28

Lab Sample ID: 880-42977-1
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	79843	05/02/24 11:19	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79818	05/02/24 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80083	05/02/24 19:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			80388	05/08/24 20:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	79949	05/03/24 15:51	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80304	05/08/24 20:17	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	79870	05/02/24 13:54	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	79876	05/02/24 18:50	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-42977-1
Project/Site: Pony Riser SDG: 23-0105-04

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. Job ID: 880-42977-1
Project/Site: Pony Riser SDG: 23-0105-04

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: Pony Riser

Job ID: 880-42977-1
SDG: 23-0105-04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42977-1	SW-08 4.1-7	Solid	05/01/24 11:00	05/02/24 08:28

Released to Imaging: 3/4/2025 10:16:12 AM
Received by OCD: 11/14/2024 4:51:29 PM

42977

No. 3075

CHAIN-OF-CUSTODY

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

Data Reported to

DATE 5/2/2024 PAGE 1 OF 1

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME: PONY RISER

LAI PROJECT #: 23 0105-03 COLLECTOR DSG

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State: MNT/NM

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D W 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	TDS ☐	TSS ☐	FLASHPOINT ☐	pH ☐	% MOISTURE ☐	EXPLOSIVES ☐	HEXAVALENT CHROMIUM ☐	CHLORIDES ☒	CYANIDE ☐	PECHLORATE ☐	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
SW-08 0.1-7		5/2/24	1100	S	1				X		X		X	X	X																									X				

TOTAL 1

RELINQUISHED BY (Signature)	DATE/TIME 5/2/24 0828	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

880-42977 Chain of Custody

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

LABORATORY USE ONLY:
RECEIVING TEMP 5.9/5.7 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-42977-1
SDG Number: 23-0105-04

Login Number: 42977
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/17/2024 11:18:58 AM

JOB DESCRIPTION

Pony Riser
23-0105-04

JOB NUMBER

880-45778-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 3/4/2025 10:16:12 AM

Eurofins Midland

Job Notes

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

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

Authorization

Holly Taylor

Generated
7/17/2024 11:18:58 AM

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

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Released to Imaging: 3/4/2025 10:16:12 AM

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project: Pony Riser

Job ID: 880-45778-1 Eurofins Midland

Job Narrative
880-45778-1

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 7/10/2024 9:00 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 -9.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-28 6' (880-45778-1), C-58 6' (880-45778-2), C-34 5' (880-45778-3), C-61 5' (880-45778-4), C-62 5' (880-45778-5), C-64 5' (880-45778-6), C-46 6' (880-45778-7), C-3 10' (880-45778-8), C-4 10' (880-45778-9), C-13 10' (880-45778-10), C-1 12' (880-45778-11), C-37 12' (880-45778-12), SW-18 6-8' (880-45778-13), SW-18 5-10' (880-45778-14), SW-19 5-10' (880-45778-15), C-29 6' (880-45778-16), C-55 6' (880-45778-17), C-56 6' (880-45778-18), C-57 6' (880-45778-19), C-2 14' (880-45778-20), SW-1D 10-14' (880-45778-21), C-82 5' (880-45778-22) and C-84 5' (880-45778-23).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-85309 and analytical batch 880-85292 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: C-84 5' (880-45778-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: The method blank for preparation batch 880-85557 and analytical batch 880-85608 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 half the reporting limit (1/2RL) in the method blank; therefore, re-extraction and re-analysis of samples was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-85608 exhibited % difference of > 20% for the following analyte(s)o-Terphenyl (Surr). These results are within the labs acceptance limits and so the data has been reported.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-1D 10-14' (880-45778-21), C-84 5' (880-45778-23) and (890-6919-A-10-D MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: C-82 5' (880-45778-22) and (890-6919-A-10-C). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-58 6' (880-45778-2), C-34 5' (880-45778-3), C-62 5' (880-45778-5), C-64 5' (880-45778-6), C-3 10' (880-45778-8) and C-4 10' (880-45778-9). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-85498 recovered above the upper control limit for 1-Chlorooctane (Surr) and o-Terphenyl (Surr). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Eurofins Midland

Released to Imaging: 3/4/2025 10:16:12 AM

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project: Pony Riser

Job ID: 880-45778-1 (Continued) Eurofins Midland

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-85370 and analytical batch 880-85498 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.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-85595 and analytical batch 880-85780 was outside the upper control limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-85780 recovered above the upper control limit for 1-Chlorooctane (Surr) and o-Terphenyl (Surr). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-85780 recovered above the upper control limit for Diesel Range Organics (Over C10-C28), 1-Chlorooctane (Surr) and o-Terphenyl (Surr). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: C-1 12' (880-45778-11). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (CCV 880-85894/6). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The method blank for preparation batch 880-85716 and analytical batch 880-85894 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction AND re-analysis of samples was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-85894 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-85894/21).

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-85398 and analytical batch 880-85402 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.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-28 6'

Date Collected: 07/08/24 09:45
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 13:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 13:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 13:30	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/10/24 11:16	07/10/24 13:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 13:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/10/24 11:16	07/10/24 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/10/24 11:16*	*07/10/24 13:30*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/10/24 11:16*	*07/10/24 13:30*	*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			07/10/24 13:30	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			07/12/24 18:17	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 F1	49.8		mg/Kg		07/10/24 14:22	07/12/24 18:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8		mg/Kg		07/10/24 14:22	07/12/24 18:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/10/24 14:22	07/12/24 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*07/10/24 14:22*	*07/12/24 18:17*	*1*
o-Terphenyl (Surr)	*82*		*70 - 130*	*07/10/24 14:22*	*07/12/24 18:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**347**		4.98		mg/Kg			07/11/24 08:28	1

Client Sample ID: C-58 6'

Date Collected: 07/08/24 09:48
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 13:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 13:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 13:51	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/10/24 11:16	07/10/24 13:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 13:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/10/24 11:16	07/10/24 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/10/24 11:16*	*07/10/24 13:51*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*07/10/24 11:16*	*07/10/24 13:51*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-58 6'
Lab Sample ID: 880-45778-2
Date Collected: 07/08/24 09:48 **Matrix: Solid**
Date Received: 07/10/24 09:00

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			07/10/24 13:51	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			07/12/24 19:03	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	<49.9	U	49.9		mg/Kg		07/10/24 14:22	07/12/24 19:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/10/24 14:22	07/12/24 19:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/10/24 14:22	07/12/24 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*62*	*S1-*	*70 - 130*	*07/10/24 14:22*	*07/12/24 19:03*	*1*
o-Terphenyl (Surr)	*72*		*70 - 130*	*07/10/24 14:22*	*07/12/24 19:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**298**		5.02		mg/Kg			07/11/24 08:36	1

Client Sample ID: C-34 5'
Lab Sample ID: 880-45778-3
Date Collected: 07/08/24 09:54 **Matrix: Solid**
Date Received: 07/10/24 09:00

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		07/10/24 11:16	07/10/24 14:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:16	07/10/24 14:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:16	07/10/24 14:11	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/10/24 11:16	07/10/24 14:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:16	07/10/24 14:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/10/24 11:16	07/10/24 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/10/24 11:16*	*07/10/24 14:11*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 14:11*	*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			07/10/24 14:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/12/24 19:19	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	<49.8	U	49.8		mg/Kg		07/10/24 14:22	07/12/24 19:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/10/24 14:22	07/12/24 19:19	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-34 5'

Date Collected: 07/08/24 09:54
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-3
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)	<49.8	U	49.8		mg/Kg		07/10/24 14:22	07/12/24 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*67*	*S1-*	*70 - 130*	*07/10/24 14:22*	*07/12/24 19:19*	*1*
o-Terphenyl (Surr)	*78*		*70 - 130*	*07/10/24 14:22*	*07/12/24 19:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**269**		5.02		mg/Kg			07/11/24 08:58	1

Client Sample ID: C-61 5'

Date Collected: 07/08/24 09:59
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 14:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 14:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 14:32	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/10/24 11:16	07/10/24 14:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 14:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/10/24 11:16	07/10/24 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/10/24 11:16*	*07/10/24 14:32*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 14:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/10/24 14:32	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			07/12/24 19:34	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	<49.6	U	49.6		mg/Kg		07/10/24 14:22	07/12/24 19:34	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/10/24 14:22	07/12/24 19:34	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/10/24 14:22	07/12/24 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*07/10/24 14:22*	*07/12/24 19:34*	*1*
o-Terphenyl (Surr)	*82*		*70 - 130*	*07/10/24 14:22*	*07/12/24 19:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**311**		5.04		mg/Kg			07/11/24 09:05	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-62 5'

Date Collected: 07/08/24 10:15
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-5
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		07/10/24 11:16	07/10/24 14:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 14:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 14:52	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/10/24 11:16	07/10/24 14:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 14:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/10/24 11:16	07/10/24 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/10/24 11:16*	*07/10/24 14:52*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 14:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/10/24 14:52	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			07/12/24 19:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/10/24 14:22	07/12/24 19:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/10/24 14:22	07/12/24 19:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/10/24 14:22	07/12/24 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*64*	*S1-*	*70 - 130*	*07/10/24 14:22*	*07/12/24 19:50*	*1*
o-Terphenyl (Surr)	*76*		*70 - 130*	*07/10/24 14:22*	*07/12/24 19:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**225**		5.03		mg/Kg			07/11/24 09:27	1

Client Sample ID: C-64 5'

Date Collected: 07/08/24 10:17
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 15:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 15:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 15:13	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/10/24 11:16	07/10/24 15:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 15:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/10/24 11:16	07/10/24 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/10/24 11:16*	*07/10/24 15:13*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 15:13*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-64 5'
Lab Sample ID: 880-45778-6
Date Collected: 07/08/24 10:17 **Matrix: Solid**
Date Received: 07/10/24 09:00

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			07/10/24 15:13	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			07/12/24 20:06	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	<49.8	U	49.8		mg/Kg		07/10/24 14:22	07/12/24 20:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/10/24 14:22	07/12/24 20:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/10/24 14:22	07/12/24 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*66*	*S1-*	*70 - 130*	*07/10/24 14:22*	*07/12/24 20:06*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*07/10/24 14:22*	*07/12/24 20:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**232**		4.99		mg/Kg			07/11/24 09:35	1

Client Sample ID: C-46 6'
Lab Sample ID: 880-45778-7
Date Collected: 07/08/24 10:34 **Matrix: Solid**
Date Received: 07/10/24 09:00

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		07/10/24 11:16	07/10/24 15:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 15:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 15:33	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/10/24 11:16	07/10/24 15:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 15:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/10/24 11:16	07/10/24 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/10/24 11:16*	*07/10/24 15:33*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 15:33*	*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			07/10/24 15:33	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			07/12/24 20:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/10/24 14:22	07/12/24 20:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/10/24 14:22	07/12/24 20:21	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-46 6'

Date Collected: 07/08/24 10:34
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-7
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		07/10/24 14:22	07/12/24 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*73*		*70 - 130*	*07/10/24 14:22*	*07/12/24 20:21*	*1*
o-Terphenyl (Surr)	*86*		*70 - 130*	*07/10/24 14:22*	*07/12/24 20:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**262**		4.96		mg/Kg			07/11/24 09:42	1

Client Sample ID: C-3 10'

Date Collected: 07/08/24 10:45
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-8
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		07/10/24 11:16	07/10/24 15:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:16	07/10/24 15:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:16	07/10/24 15:54	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/10/24 11:16	07/10/24 15:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:16	07/10/24 15:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/10/24 11:16	07/10/24 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/10/24 11:16*	*07/10/24 15:54*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 15:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/10/24 15:54	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			07/12/24 20:37	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		07/10/24 14:22	07/12/24 20:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/10/24 14:22	07/12/24 20:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/10/24 14:22	07/12/24 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*67*	*S1-*	*70 - 130*	*07/10/24 14:22*	*07/12/24 20:37*	*1*
o-Terphenyl (Surr)	*78*		*70 - 130*	*07/10/24 14:22*	*07/12/24 20:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.7**		4.98		mg/Kg			07/11/24 09:49	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-4 10'

Date Collected: 07/08/24 10:50
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-9
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		07/10/24 11:16	07/10/24 16:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 16:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 16:14	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/10/24 11:16	07/10/24 16:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 16:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/10/24 11:16	07/10/24 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/10/24 11:16*	*07/10/24 16:14*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/10/24 11:16*	*07/10/24 16:14*	*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			07/10/24 16:14	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			07/12/24 20:53	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	<49.8	U	49.8		mg/Kg		07/10/24 14:22	07/12/24 20:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/10/24 14:22	07/12/24 20:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/10/24 14:22	07/12/24 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*63*	*S1-*	*70 - 130*	*07/10/24 14:22*	*07/12/24 20:53*	*1*
o-Terphenyl (Surr)	*73*		*70 - 130*	*07/10/24 14:22*	*07/12/24 20:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**161**		5.04		mg/Kg			07/11/24 09:57	1

Client Sample ID: C-13 10'

Date Collected: 07/08/24 11:20
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/10/24 11:16	07/10/24 16:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/10/24 11:16	07/10/24 16:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/10/24 11:16	07/10/24 16:34	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/10/24 11:16	07/10/24 16:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/10/24 11:16	07/10/24 16:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/10/24 11:16	07/10/24 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/10/24 11:16*	*07/10/24 16:34*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/10/24 11:16*	*07/10/24 16:34*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-13 10'

Date Collected: 07/08/24 11:20
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/10/24 16:34	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			07/12/24 21:08	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		07/10/24 14:22	07/12/24 21:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/10/24 14:22	07/12/24 21:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/10/24 14:22	07/12/24 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*59*	*S1-*	*70 - 130*	*07/10/24 14:22*	*07/12/24 21:08*	*1*
o-Terphenyl (Surr)	*69*	*S1-*	*70 - 130*	*07/10/24 14:22*	*07/12/24 21:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.3**		5.02		mg/Kg			07/11/24 10:04	1

Client Sample ID: C-1 12'

Date Collected: 07/08/24 11:34
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-11
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		07/10/24 11:16	07/10/24 18:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/10/24 11:16	07/10/24 18:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/10/24 11:16	07/10/24 18:08	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		07/10/24 11:16	07/10/24 18:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/10/24 11:16	07/10/24 18:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/10/24 11:16	07/10/24 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/10/24 11:16*	*07/10/24 18:08*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/10/24 11:16*	*07/10/24 18:08*	*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			07/10/24 18:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/16/24 10:45	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	<49.9	U	49.9		mg/Kg		07/12/24 14:02	07/16/24 10:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/24 14:02	07/16/24 10:45	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-1 12' Lab Sample ID: 880-45778-11

Date Collected: 07/08/24 11:34 **Matrix: Solid**
Date Received: 07/10/24 09:00

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		07/12/24 14:02	07/16/24 10:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*66*	*S1-*	*70 - 130*	*07/12/24 14:02*	*07/16/24 10:45*	*1*
o-Terphenyl (Surr)	*60*	*S1-*	*70 - 130*	*07/12/24 14:02*	*07/16/24 10:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.7**		5.05		mg/Kg			07/11/24 10:11	1

Client Sample ID: C-37 12' Lab Sample ID: 880-45778-12

Date Collected: 07/08/24 11:40 **Matrix: Solid**
Date Received: 07/10/24 09:00

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		07/10/24 11:16	07/10/24 18:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 18:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 18:28	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/10/24 11:16	07/10/24 18:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 18:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/10/24 11:16	07/10/24 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/10/24 11:16*	*07/10/24 18:28*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/10/24 11:16*	*07/10/24 18:28*	*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			07/10/24 18:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/16/24 11:01	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/12/24 14:02	07/16/24 11:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/24 14:02	07/16/24 11:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/24 14:02	07/16/24 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*07/12/24 14:02*	*07/16/24 11:01*	*1*
o-Terphenyl (Surr)	*73*		*70 - 130*	*07/12/24 14:02*	*07/16/24 11:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.2**		4.96		mg/Kg			07/12/24 02:07	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: SW-18 6-8'

Lab Sample ID: 880-45778-13
Matrix: Solid
Date Collected: 07/08/24 12:02
Date Received: 07/10/24 09:00

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		07/10/24 11:16	07/10/24 18:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:16	07/10/24 18:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:16	07/10/24 18:49	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/10/24 11:16	07/10/24 18:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:16	07/10/24 18:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/10/24 11:16	07/10/24 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/10/24 11:16*	*07/10/24 18:49*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 18:49*	*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			07/10/24 18:49	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			07/16/24 11:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/24 14:02	07/16/24 11:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/24 14:02	07/16/24 11:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/24 14:02	07/16/24 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*07/12/24 14:02*	*07/16/24 11:16*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*07/12/24 14:02*	*07/16/24 11:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**307**		4.98		mg/Kg			07/12/24 02:23	1

Client Sample ID: SW-18 5-10'

Lab Sample ID: 880-45778-14
Matrix: Solid
Date Collected: 07/08/24 12:19
Date Received: 07/10/24 09:00

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		07/10/24 11:16	07/10/24 19:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 19:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 19:09	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/10/24 11:16	07/10/24 19:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 19:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/10/24 11:16	07/10/24 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/10/24 11:16*	*07/10/24 19:09*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 19:09*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: SW-18 5-10'

Date Collected: 07/08/24 12:19
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/10/24 19:09	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			07/16/24 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	<49.8	U	49.8		mg/Kg		07/12/24 14:02	07/16/24 11:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/12/24 14:02	07/16/24 11:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/12/24 14:02	07/16/24 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*07/12/24 14:02*	*07/16/24 11:31*	*1*
o-Terphenyl (Surr)	*72*		*70 - 130*	*07/12/24 14:02*	*07/16/24 11:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**275**		4.99		mg/Kg			07/12/24 02:28	1

Client Sample ID: SW-19 5-10'

Date Collected: 07/08/24 12:30
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 19:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 19:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 19:30	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/10/24 11:16	07/10/24 19:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 19:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/10/24 11:16	07/10/24 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/10/24 11:16*	*07/10/24 19:30*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 19:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/10/24 19:30	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			07/16/24 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	<49.8	U	49.8		mg/Kg		07/15/24 13:38	07/16/24 23:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/15/24 13:38	07/16/24 23:55	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: SW-19 5-10' Lab Sample ID: 880-45778-15

Date Collected: 07/08/24 12:30 **Matrix: Solid**
Date Received: 07/10/24 09:00

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		07/15/24 13:38	07/16/24 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*82*		*70 - 130*	*07/15/24 13:38*	*07/16/24 23:55*	*1*
o-Terphenyl (Surr)	*74*		*70 - 130*	*07/15/24 13:38*	*07/16/24 23:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**374**		4.96		mg/Kg			07/12/24 02:34	1

Client Sample ID: C-29 6' Lab Sample ID: 880-45778-16

Date Collected: 07/08/24 12:38 **Matrix: Solid**
Date Received: 07/10/24 09:00

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		07/10/24 11:16	07/10/24 19:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 19:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 19:50	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/10/24 11:16	07/10/24 19:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 19:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/10/24 11:16	07/10/24 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/10/24 11:16*	*07/10/24 19:50*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 19:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/10/24 19:50	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			07/17/24 00:10	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		07/15/24 13:38	07/17/24 00:10	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/15/24 13:38	07/17/24 00:10	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/15/24 13:38	07/17/24 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*07/15/24 13:38*	*07/17/24 00:10*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*07/15/24 13:38*	*07/17/24 00:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.9**		4.97		mg/Kg			07/12/24 02:39	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-55 6'

Lab Sample ID: 880-45778-17
Matrix: Solid
Date Collected: 07/08/24 12:52
Date Received: 07/10/24 09:00

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		07/10/24 11:16	07/10/24 20:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 20:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 20:10	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/10/24 11:16	07/10/24 20:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 20:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/10/24 11:16	07/10/24 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/10/24 11:16*	*07/10/24 20:10*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 20:10*	*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			07/10/24 20:10	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			07/17/24 00:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/15/24 13:38	07/17/24 00:26	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		07/15/24 13:38	07/17/24 00:26	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/15/24 13:38	07/17/24 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*82*		*70 - 130*	*07/15/24 13:38*	*07/17/24 00:26*	*1*
o-Terphenyl (Surr)	*74*		*70 - 130*	*07/15/24 13:38*	*07/17/24 00:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**139**		4.96		mg/Kg			07/12/24 02:55	1

Client Sample ID: C-56 6'

Lab Sample ID: 880-45778-18
Matrix: Solid
Date Collected: 07/08/24 13:09
Date Received: 07/10/24 09:00

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		07/10/24 11:16	07/10/24 20:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 20:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 20:31	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/10/24 11:16	07/10/24 20:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/10/24 11:16	07/10/24 20:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/10/24 11:16	07/10/24 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/10/24 11:16*	*07/10/24 20:31*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 20:31*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-56 6'

Date Collected: 07/08/24 13:09
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-18
Matrix: Solid

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			07/10/24 20:31	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			07/17/24 00:41	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		07/15/24 13:38	07/17/24 00:41	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/15/24 13:38	07/17/24 00:41	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/15/24 13:38	07/17/24 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*07/15/24 13:38*	*07/17/24 00:41*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*07/15/24 13:38*	*07/17/24 00:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.2**		4.95		mg/Kg			07/12/24 03:00	1

Client Sample ID: C-57 6'

Date Collected: 07/08/24 13:24
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-19
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		07/10/24 11:16	07/10/24 20:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:16	07/10/24 20:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:16	07/10/24 20:51	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/10/24 11:16	07/10/24 20:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:16	07/10/24 20:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/10/24 11:16	07/10/24 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/10/24 11:16*	*07/10/24 20:51*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 20:51*	*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			07/10/24 20:51	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			07/17/24 00:55	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		07/15/24 13:38	07/17/24 00:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/15/24 13:38	07/17/24 00:55	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-57 6'
Lab Sample ID: 880-45778-19
Date Collected: 07/08/24 13:24 **Matrix: Solid**
Date Received: 07/10/24 09:00

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		07/15/24 13:38	07/17/24 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*07/15/24 13:38*	*07/17/24 00:55*	*1*
o-Terphenyl (Surr)	*81*		*70 - 130*	*07/15/24 13:38*	*07/17/24 00:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**191**		4.99		mg/Kg			07/12/24 03:05	1

Client Sample ID: C-2 14'
Lab Sample ID: 880-45778-20
Date Collected: 07/08/24 13:36 **Matrix: Solid**
Date Received: 07/10/24 09:00

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		07/10/24 11:16	07/10/24 21:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/10/24 11:16	07/10/24 21:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/10/24 11:16	07/10/24 21:12	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/10/24 11:16	07/10/24 21:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/10/24 11:16	07/10/24 21:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/10/24 11:16	07/10/24 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/10/24 11:16*	*07/10/24 21:12*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/10/24 11:16*	*07/10/24 21:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/10/24 21:12	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			07/17/24 01:10	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	<50.3	U	50.3		mg/Kg		07/15/24 13:38	07/17/24 01:10	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		07/15/24 13:38	07/17/24 01:10	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		07/15/24 13:38	07/17/24 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*07/15/24 13:38*	*07/17/24 01:10*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*07/15/24 13:38*	*07/17/24 01:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**254**		4.98		mg/Kg			07/12/24 03:10	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: SW-1D 10-14'

Date Collected: 07/08/24 13:42
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/10/24 11:21	07/10/24 19:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/10/24 11:21	07/10/24 19:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/10/24 11:21	07/10/24 19:06	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/10/24 11:21	07/10/24 19:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/10/24 11:21	07/10/24 19:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/10/24 11:21	07/10/24 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*07/10/24 11:21*	*07/10/24 19:06*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*07/10/24 11:21*	*07/10/24 19:06*	*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			07/10/24 19:06	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			07/12/24 19:03	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	<50.5	U	50.5		mg/Kg		07/12/24 10:47	07/12/24 19:03	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/12/24 10:47	07/12/24 19:03	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/12/24 10:47	07/12/24 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*07/12/24 10:47*	*07/12/24 19:03*	*1*
o-Terphenyl (Surr)	*65*	*S1-*	*70 - 130*	*07/12/24 10:47*	*07/12/24 19:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**186**		4.97		mg/Kg			07/12/24 03:15	1

Client Sample ID: C-82 5'

Date Collected: 07/08/24 13:50
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:21	07/10/24 19:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:21	07/10/24 19:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:21	07/10/24 19:26	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/10/24 11:21	07/10/24 19:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:21	07/10/24 19:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/10/24 11:21	07/10/24 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*07/10/24 11:21*	*07/10/24 19:26*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*07/10/24 11:21*	*07/10/24 19:26*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-82 5'
Lab Sample ID: 880-45778-22
Date Collected: 07/08/24 13:50 **Matrix: Solid**
Date Received: 07/10/24 09:00

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			07/10/24 19:26	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			07/12/24 19:19	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	<49.9	U	49.9		mg/Kg		07/12/24 10:47	07/12/24 19:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/24 10:47	07/12/24 19:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/24 10:47	07/12/24 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*64*	*S1-*	*70 - 130*	*07/12/24 10:47*	*07/12/24 19:19*	*1*
o-Terphenyl (Surr)	*57*	*S1-*	*70 - 130*	*07/12/24 10:47*	*07/12/24 19:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.2**	**F1**	5.00		mg/Kg			07/12/24 03:21	1

Client Sample ID: C-84 5'
Lab Sample ID: 880-45778-23
Date Collected: 07/08/24 13:58 **Matrix: Solid**
Date Received: 07/10/24 09:00

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		07/10/24 11:21	07/10/24 19:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:21	07/10/24 19:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:21	07/10/24 19:46	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/10/24 11:21	07/10/24 19:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/10/24 11:21	07/10/24 19:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/10/24 11:21	07/10/24 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*07/10/24 11:21*	*07/10/24 19:46*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*07/10/24 11:21*	*07/10/24 19:46*	*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			07/10/24 19:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/24 19:34	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	<49.9	U	49.9		mg/Kg		07/12/24 10:47	07/12/24 19:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/12/24 10:47	07/12/24 19:34	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-84 5'
Date Collected: 07/08/24 13:58
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/12/24 10:47	07/12/24 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*74*		*70 - 130*	*07/12/24 10:47*	*07/12/24 19:34*	*1*
o-Terphenyl (Surr)	*68*	*S1-*	*70 - 130*	*07/12/24 10:47*	*07/12/24 19:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.1**		5.02		mg/Kg			07/12/24 03:36	1

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

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)
880-45778-1	C-28 6'	112	91
880-45778-1 MS	C-28 6'	109	92
880-45778-1 MSD	C-28 6'	109	93
880-45778-2	C-58 6'	109	79
880-45778-3	C-34 5'	112	90
880-45778-4	C-61 5'	113	90
880-45778-5	C-62 5'	112	90
880-45778-6	C-64 5'	112	90
880-45778-7	C-46 6'	113	90
880-45778-8	C-3 10'	113	90
880-45778-9	C-4 10'	110	89
880-45778-10	C-13 10'	110	89
880-45778-11	C-1 12'	112	91
880-45778-12	C-37 12'	115	91
880-45778-13	SW-18 6-8'	112	90
880-45778-14	SW-18 5-10'	115	90
880-45778-15	SW-19 5-10'	113	90
880-45778-16	C-29 6'	114	90
880-45778-17	C-55 6'	114	90
880-45778-18	C-56 6'	113	90
880-45778-19	C-57 6'	115	90
880-45778-20	C-2 14'	112	90
880-45778-21	SW-1D 10-14'	129	112
880-45778-22	C-82 5'	128	107
880-45778-23	C-84 5'	139 S1+	110
LCS 880-85309/1-A	Lab Control Sample	108	101
LCS 880-85359/1-A	Lab Control Sample	107	93
LCSD 880-85309/2-A	Lab Control Sample Dup	115	99
LCSD 880-85359/2-A	Lab Control Sample Dup	106	92
MB 880-85309/5-A	Method Blank	191 S1+	117
MB 880-85359/5-A	Method Blank	108	85

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)
880-45778-1	C-28 6'	70	82
880-45778-1 MS	C-28 6'	75	77
880-45778-1 MSD	C-28 6'	74	75
880-45778-2	C-58 6'	62 S1-	72
880-45778-3	C-34 5'	67 S1-	78
880-45778-4	C-61 5'	70	82
880-45778-5	C-62 5'	64 S1-	76
880-45778-6	C-64 5'	66 S1-	77

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

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)								
880-45778-7	C-46 6'	73	86								
880-45778-8	C-3 10'	67 S1-	78								
880-45778-9	C-4 10'	63 S1-	73								
880-45778-10	C-13 10'	59 S1-	69 S1-								
880-45778-11	C-1 12'	66 S1-	60 S1-								
880-45778-12	C-37 12'	80	73								
880-45778-13	SW-18 6-8'	79	71								
880-45778-14	SW-18 5-10'	79	72								
880-45778-15	SW-19 5-10'	82	74								
880-45778-16	C-29 6'	78	71								
880-45778-17	C-55 6'	82	74								
880-45778-18	C-56 6'	80	75								
880-45778-19	C-57 6'	89	81								
880-45778-20	C-2 14'	84	75								
880-45778-21	SW-1D 10-14'	70	65 S1-								
880-45778-22	C-82 5'	64 S1-	57 S1-								
880-45778-23	C-84 5'	74	68 S1-								
LCS 880-85370/2-A	Lab Control Sample	83	85								
LCS 880-85557/2-A	Lab Control Sample	88	75								
LCS 880-85595/2-A	Lab Control Sample	98	82								
LCS 880-85716/2-A	Lab Control Sample	123	106								
LCSD 880-85370/3-A	Lab Control Sample Dup	72	76								
LCSD 880-85557/3-A	Lab Control Sample Dup	85	73								
LCSD 880-85595/3-A	Lab Control Sample Dup	93	79								
LCSD 880-85716/3-A	Lab Control Sample Dup	119	100								
MB 880-85370/1-A	Method Blank	86	122								
MB 880-85557/1-A	Method Blank	101	118								
MB 880-85595/1-A	Method Blank	69 S1-	69 S1-								
MB 880-85716/1-A	Method Blank	90	88								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-85309/5-A
Matrix: Solid
Analysis Batch: 85292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85309

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/10/24 09:21	07/10/24 13:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/24 09:21	07/10/24 13:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/24 09:21	07/10/24 13:21	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/10/24 09:21	07/10/24 13:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/24 09:21	07/10/24 13:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/10/24 09:21	07/10/24 13:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*191*	*S1+*	*70 - 130*	*07/10/24 09:21*	*07/10/24 13:21*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*07/10/24 09:21*	*07/10/24 13:21*	*1*

Lab Sample ID: LCS 880-85309/1-A
Matrix: Solid
Analysis Batch: 85292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85309

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09365		mg/Kg		94	70 - 130		
Toluene			0.100	0.08089		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.07787		mg/Kg		78	70 - 130		
m,p-Xylenes			0.200	0.1629		mg/Kg		81	70 - 130		
o-Xylene			0.100	0.08544		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-85309/2-A
Matrix: Solid
Analysis Batch: 85292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85309

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1121		mg/Kg		112	70 - 130	18	35
Toluene			0.100	0.09535		mg/Kg		95	70 - 130	16	35
Ethylbenzene			0.100	0.1034		mg/Kg		103	70 - 130	28	35
m,p-Xylenes			0.200	0.1956		mg/Kg		98	70 - 130	18	35
o-Xylene			0.100	0.1095		mg/Kg		110	70 - 130	25	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-85359/5-A
Matrix: Solid
Analysis Batch: 85290

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85359

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 13:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 13:08	1

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

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

Lab Sample ID: MB 880-85359/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 85290 **Prep Batch: 85359**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 13:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/10/24 11:16	07/10/24 13:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/24 11:16	07/10/24 13:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/10/24 11:16	07/10/24 13:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/10/24 11:16*	*07/10/24 13:08*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/10/24 11:16*	*07/10/24 13:08*	*1*

Lab Sample ID: LCS 880-85359/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 85290 **Prep Batch: 85359**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1004		mg/Kg		100	70 - 130		
Toluene			0.100	0.09531		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.09206		mg/Kg		92	70 - 130		
m,p-Xylenes			0.200	0.2052		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.1026		mg/Kg		103	70 - 130		

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

Lab Sample ID: LCSD 880-85359/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 85290 **Prep Batch: 85359**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09860		mg/Kg		99	70 - 130	2	35
Toluene			0.100	0.09308		mg/Kg		93	70 - 130	2	35
Ethylbenzene			0.100	0.08958		mg/Kg		90	70 - 130	3	35
m,p-Xylenes			0.200	0.1991		mg/Kg		100	70 - 130	3	35
o-Xylene			0.100	0.09958		mg/Kg		100	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-45778-1 MS **Client Sample ID: C-28 6'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 85290 **Prep Batch: 85359**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09706		mg/Kg		97	70 - 130		
Toluene	<0.00200	U	0.100	0.09163		mg/Kg		92	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.08851		mg/Kg		89	70 - 130		
m,p-Xylenes	<0.00399	U	0.200	0.1977		mg/Kg		99	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

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

Lab Sample ID: 880-45778-1 MS **Client Sample ID: C-28 6'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 85290 **Prep Batch: 85359**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00200	U	0.100	0.09770		mg/Kg		98	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-45778-1 MSD **Client Sample ID: C-28 6'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 85290 **Prep Batch: 85359**

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	0.09034		mg/Kg		90	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.08490		mg/Kg		85	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.100	0.08181		mg/Kg		82	70 - 130	8	35
m,p-Xylenes	<0.00399	U	0.200	0.1818		mg/Kg		91	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.09005		mg/Kg		90	70 - 130	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 880-85370/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 85498 **Prep Batch: 85370**

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		07/10/24 14:22	07/12/24 14:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/10/24 14:22	07/12/24 14:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/10/24 14:22	07/12/24 14:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*86*		*70 - 130*	*07/10/24 14:22*	*07/12/24 14:03*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*07/10/24 14:22*	*07/12/24 14:03*	*1*

Lab Sample ID: LCS 880-85370/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 85498 **Prep Batch: 85370**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	830.6		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	872.6		mg/Kg		87	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

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

Lab Sample ID: LCS 880-85370/2-A
Matrix: Solid
Analysis Batch: 85498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85370

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	83		70 - 130
o-Terphenyl (Surr)	85		70 - 130

Lab Sample ID: LCSD 880-85370/3-A
Matrix: Solid
Analysis Batch: 85498

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85370

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	723.6		mg/Kg		72	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	777.5		mg/Kg		78	70 - 130	12	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	72		70 - 130
o-Terphenyl (Surr)	76		70 - 130

Lab Sample ID: 880-45778-1 MS
Matrix: Solid
Analysis Batch: 85498

Client Sample ID: C-28 6'
Prep Type: Total/NA
Prep Batch: 85370

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	998	532.9	F1	mg/Kg		53	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	575.5	F1	mg/Kg		58	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	75		70 - 130
o-Terphenyl (Surr)	77		70 - 130

Lab Sample ID: 880-45778-1 MSD
Matrix: Solid
Analysis Batch: 85498

Client Sample ID: C-28 6'
Prep Type: Total/NA
Prep Batch: 85370

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	<49.8	U F1	998	537.0	F1	mg/Kg		54	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	569.6	F1	mg/Kg		57	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	74		70 - 130
o-Terphenyl (Surr)	75		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

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

Lab Sample ID: MB 880-85557/1-A
Matrix: Solid
Analysis Batch: 85608

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85557

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		07/12/24 10:46	07/12/24 14:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/24 10:46	07/12/24 14:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/24 10:46	07/12/24 14:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*07/12/24 10:46*	*07/12/24 14:19*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*07/12/24 10:46*	*07/12/24 14:19*	*1*

Lab Sample ID: LCS 880-85557/2-A
Matrix: Solid
Analysis Batch: 85608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85557

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	919.8		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	885.1		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*88*		*70 - 130*
o-Terphenyl (Surr)	*75*		*70 - 130*

Lab Sample ID: LCSD 880-85557/3-A
Matrix: Solid
Analysis Batch: 85608

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85557

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	909.2		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	887.9		mg/Kg		89	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*85*		*70 - 130*
o-Terphenyl (Surr)	*73*		*70 - 130*

Lab Sample ID: MB 880-85595/1-A
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85595

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		07/12/24 14:02	07/16/24 04:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/24 14:02	07/16/24 04:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/24 14:02	07/16/24 04:10	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

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

Lab Sample ID: MB 880-85595/1-A
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85595

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	69	S1-	70 - 130	07/12/24 14:02	07/16/24 04:10	1
o-Terphenyl (Surr)	69	S1-	70 - 130	07/12/24 14:02	07/16/24 04:10	1

Lab Sample ID: LCS 880-85595/2-A
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85595

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1009		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	899.0		mg/Kg		90	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-85595/3-A
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85595

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	947.2		mg/Kg		95	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	848.2		mg/Kg		85	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	79		70 - 130

Lab Sample ID: MB 880-85716/1-A
Matrix: Solid
Analysis Batch: 85894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85716

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		07/15/24 13:38	07/16/24 13:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/15/24 13:38	07/16/24 13:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/15/24 13:38	07/16/24 13:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	07/15/24 13:38	07/16/24 13:14	1
o-Terphenyl (Surr)	88		70 - 130	07/15/24 13:38	07/16/24 13:14	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

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

Lab Sample ID: LCS 880-85716/2-A
Matrix: Solid
Analysis Batch: 85894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85716

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1227		mg/Kg		123	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1123		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*123*		*70 - 130*
o-Terphenyl (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-85716/3-A
Matrix: Solid
Analysis Batch: 85894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85716

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1189		mg/Kg		119	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1030		mg/Kg		103	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*119*		*70 - 130*
o-Terphenyl (Surr)	*100*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-85366/1-A
Matrix: Solid
Analysis Batch: 85395

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			07/11/24 06:31	1

Lab Sample ID: LCS 880-85366/2-A
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	247.1		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-85366/3-A
Matrix: Solid
Analysis Batch: 85395

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	246.8		mg/Kg		99	90 - 110	0	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-45778-2 MS
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: C-58 6'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	298		251	551.5		mg/Kg		101	90 - 110

Lab Sample ID: 880-45778-2 MSD
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: C-58 6'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	298		251	552.1		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-85398/1-A
Matrix: Solid
Analysis Batch: 85402

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			07/12/24 01:52	1

Lab Sample ID: LCS 880-85398/2-A
Matrix: Solid
Analysis Batch: 85402

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	267.4		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-85398/3-A
Matrix: Solid
Analysis Batch: 85402

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	267.6		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-45778-12 MS
Matrix: Solid
Analysis Batch: 85402

Client Sample ID: C-37 12'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	74.2		248	314.6		mg/Kg		97	90 - 110

Lab Sample ID: 880-45778-12 MSD
Matrix: Solid
Analysis Batch: 85402

Client Sample ID: C-37 12'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	74.2		248	314.8		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-45778-22 MS
Matrix: Solid
Analysis Batch: 85402

Client Sample ID: C-82 5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	31.2	F1	250	320.2	F1	mg/Kg		116	90 - 110

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-45778-22 MSD
Matrix: Solid
Analysis Batch: 85402

Client Sample ID: C-82 5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31.2	F1	250	320.3	F1	mg/Kg		116	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

GC VOA

Analysis Batch: 85290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-1	C-28 6'	Total/NA	Solid	8021B	85359
880-45778-2	C-58 6'	Total/NA	Solid	8021B	85359
880-45778-3	C-34 5'	Total/NA	Solid	8021B	85359
880-45778-4	C-61 5'	Total/NA	Solid	8021B	85359
880-45778-5	C-62 5'	Total/NA	Solid	8021B	85359
880-45778-6	C-64 5'	Total/NA	Solid	8021B	85359
880-45778-7	C-46 6'	Total/NA	Solid	8021B	85359
880-45778-8	C-3 10'	Total/NA	Solid	8021B	85359
880-45778-9	C-4 10'	Total/NA	Solid	8021B	85359
880-45778-10	C-13 10'	Total/NA	Solid	8021B	85359
880-45778-11	C-1 12'	Total/NA	Solid	8021B	85359
880-45778-12	C-37 12'	Total/NA	Solid	8021B	85359
880-45778-13	SW-18 6-8'	Total/NA	Solid	8021B	85359
880-45778-14	SW-18 5-10'	Total/NA	Solid	8021B	85359
880-45778-15	SW-19 5-10'	Total/NA	Solid	8021B	85359
880-45778-16	C-29 6'	Total/NA	Solid	8021B	85359
880-45778-17	C-55 6'	Total/NA	Solid	8021B	85359
880-45778-18	C-56 6'	Total/NA	Solid	8021B	85359
880-45778-19	C-57 6'	Total/NA	Solid	8021B	85359
880-45778-20	C-2 14'	Total/NA	Solid	8021B	85359
MB 880-85359/5-A	Method Blank	Total/NA	Solid	8021B	85359
LCS 880-85359/1-A	Lab Control Sample	Total/NA	Solid	8021B	85359
LCSD 880-85359/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	85359
880-45778-1 MS	C-28 6'	Total/NA	Solid	8021B	85359
880-45778-1 MSD	C-28 6'	Total/NA	Solid	8021B	85359

Analysis Batch: 85292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-21	SW-1D 10-14'	Total/NA	Solid	8021B	85309
880-45778-22	C-82 5'	Total/NA	Solid	8021B	85309
880-45778-23	C-84 5'	Total/NA	Solid	8021B	85309
MB 880-85309/5-A	Method Blank	Total/NA	Solid	8021B	85309
LCS 880-85309/1-A	Lab Control Sample	Total/NA	Solid	8021B	85309
LCSD 880-85309/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	85309

Prep Batch: 85309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-21	SW-1D 10-14'	Total/NA	Solid	5035	
880-45778-22	C-82 5'	Total/NA	Solid	5035	
880-45778-23	C-84 5'	Total/NA	Solid	5035	
MB 880-85309/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-85309/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-85309/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 85359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-1	C-28 6'	Total/NA	Solid	5035	
880-45778-2	C-58 6'	Total/NA	Solid	5035	
880-45778-3	C-34 5'	Total/NA	Solid	5035	
880-45778-4	C-61 5'	Total/NA	Solid	5035	
880-45778-5	C-62 5'	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

GC VOA (Continued)

Prep Batch: 85359 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-6	C-64 5'	Total/NA	Solid	5035	
880-45778-7	C-46 6'	Total/NA	Solid	5035	
880-45778-8	C-3 10'	Total/NA	Solid	5035	
880-45778-9	C-4 10'	Total/NA	Solid	5035	
880-45778-10	C-13 10'	Total/NA	Solid	5035	
880-45778-11	C-1 12'	Total/NA	Solid	5035	
880-45778-12	C-37 12'	Total/NA	Solid	5035	
880-45778-13	SW-18 6-8'	Total/NA	Solid	5035	
880-45778-14	SW-18 5-10'	Total/NA	Solid	5035	
880-45778-15	SW-19 5-10'	Total/NA	Solid	5035	
880-45778-16	C-29 6'	Total/NA	Solid	5035	
880-45778-17	C-55 6'	Total/NA	Solid	5035	
880-45778-18	C-56 6'	Total/NA	Solid	5035	
880-45778-19	C-57 6'	Total/NA	Solid	5035	
880-45778-20	C-2 14'	Total/NA	Solid	5035	
MB 880-85359/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-85359/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-85359/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45778-1 MS	C-28 6'	Total/NA	Solid	5035	
880-45778-1 MSD	C-28 6'	Total/NA	Solid	5035	

Analysis Batch: 85457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-1	C-28 6'	Total/NA	Solid	Total BTEX	
880-45778-2	C-58 6'	Total/NA	Solid	Total BTEX	
880-45778-3	C-34 5'	Total/NA	Solid	Total BTEX	
880-45778-4	C-61 5'	Total/NA	Solid	Total BTEX	
880-45778-5	C-62 5'	Total/NA	Solid	Total BTEX	
880-45778-6	C-64 5'	Total/NA	Solid	Total BTEX	
880-45778-7	C-46 6'	Total/NA	Solid	Total BTEX	
880-45778-8	C-3 10'	Total/NA	Solid	Total BTEX	
880-45778-9	C-4 10'	Total/NA	Solid	Total BTEX	
880-45778-10	C-13 10'	Total/NA	Solid	Total BTEX	
880-45778-11	C-1 12'	Total/NA	Solid	Total BTEX	
880-45778-12	C-37 12'	Total/NA	Solid	Total BTEX	
880-45778-13	SW-18 6-8'	Total/NA	Solid	Total BTEX	
880-45778-14	SW-18 5-10'	Total/NA	Solid	Total BTEX	
880-45778-15	SW-19 5-10'	Total/NA	Solid	Total BTEX	
880-45778-16	C-29 6'	Total/NA	Solid	Total BTEX	
880-45778-17	C-55 6'	Total/NA	Solid	Total BTEX	
880-45778-18	C-56 6'	Total/NA	Solid	Total BTEX	
880-45778-19	C-57 6'	Total/NA	Solid	Total BTEX	
880-45778-20	C-2 14'	Total/NA	Solid	Total BTEX	
880-45778-21	SW-1D 10-14'	Total/NA	Solid	Total BTEX	
880-45778-22	C-82 5'	Total/NA	Solid	Total BTEX	
880-45778-23	C-84 5'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

GC Semi VOA

Prep Batch: 85370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-1	C-28 6'	Total/NA	Solid	8015NM Prep	
880-45778-2	C-58 6'	Total/NA	Solid	8015NM Prep	
880-45778-3	C-34 5'	Total/NA	Solid	8015NM Prep	
880-45778-4	C-61 5'	Total/NA	Solid	8015NM Prep	
880-45778-5	C-62 5'	Total/NA	Solid	8015NM Prep	
880-45778-6	C-64 5'	Total/NA	Solid	8015NM Prep	
880-45778-7	C-46 6'	Total/NA	Solid	8015NM Prep	
880-45778-8	C-3 10'	Total/NA	Solid	8015NM Prep	
880-45778-9	C-4 10'	Total/NA	Solid	8015NM Prep	
880-45778-10	C-13 10'	Total/NA	Solid	8015NM Prep	
MB 880-85370/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-85370/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-85370/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45778-1 MS	C-28 6'	Total/NA	Solid	8015NM Prep	
880-45778-1 MSD	C-28 6'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 85498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-1	C-28 6'	Total/NA	Solid	8015B NM	85370
880-45778-2	C-58 6'	Total/NA	Solid	8015B NM	85370
880-45778-3	C-34 5'	Total/NA	Solid	8015B NM	85370
880-45778-4	C-61 5'	Total/NA	Solid	8015B NM	85370
880-45778-5	C-62 5'	Total/NA	Solid	8015B NM	85370
880-45778-6	C-64 5'	Total/NA	Solid	8015B NM	85370
880-45778-7	C-46 6'	Total/NA	Solid	8015B NM	85370
880-45778-8	C-3 10'	Total/NA	Solid	8015B NM	85370
880-45778-9	C-4 10'	Total/NA	Solid	8015B NM	85370
880-45778-10	C-13 10'	Total/NA	Solid	8015B NM	85370
MB 880-85370/1-A	Method Blank	Total/NA	Solid	8015B NM	85370
LCS 880-85370/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	85370
LCSD 880-85370/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	85370
880-45778-1 MS	C-28 6'	Total/NA	Solid	8015B NM	85370
880-45778-1 MSD	C-28 6'	Total/NA	Solid	8015B NM	85370

Prep Batch: 85557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-21	SW-1D 10-14'	Total/NA	Solid	8015NM Prep	
880-45778-22	C-82 5'	Total/NA	Solid	8015NM Prep	
880-45778-23	C-84 5'	Total/NA	Solid	8015NM Prep	
MB 880-85557/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-85557/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-85557/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 85595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-11	C-1 12'	Total/NA	Solid	8015NM Prep	
880-45778-12	C-37 12'	Total/NA	Solid	8015NM Prep	
880-45778-13	SW-18 6-8'	Total/NA	Solid	8015NM Prep	
880-45778-14	SW-18 5-10'	Total/NA	Solid	8015NM Prep	
MB 880-85595/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-85595/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

GC Semi VOA (Continued)

Prep Batch: 85595 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-85595/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 85608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-21	SW-1D 10-14'	Total/NA	Solid	8015B NM	85557
880-45778-22	C-82 5'	Total/NA	Solid	8015B NM	85557
880-45778-23	C-84 5'	Total/NA	Solid	8015B NM	85557
MB 880-85557/1-A	Method Blank	Total/NA	Solid	8015B NM	85557
LCS 880-85557/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	85557
LCSD 880-85557/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	85557

Prep Batch: 85716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-15	SW-19 5-10'	Total/NA	Solid	8015NM Prep	
880-45778-16	C-29 6'	Total/NA	Solid	8015NM Prep	
880-45778-17	C-55 6'	Total/NA	Solid	8015NM Prep	
880-45778-18	C-56 6'	Total/NA	Solid	8015NM Prep	
880-45778-19	C-57 6'	Total/NA	Solid	8015NM Prep	
880-45778-20	C-2 14'	Total/NA	Solid	8015NM Prep	
MB 880-85716/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-85716/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-85716/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 85758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-1	C-28 6'	Total/NA	Solid	8015 NM	
880-45778-2	C-58 6'	Total/NA	Solid	8015 NM	
880-45778-3	C-34 5'	Total/NA	Solid	8015 NM	
880-45778-4	C-61 5'	Total/NA	Solid	8015 NM	
880-45778-5	C-62 5'	Total/NA	Solid	8015 NM	
880-45778-6	C-64 5'	Total/NA	Solid	8015 NM	
880-45778-7	C-46 6'	Total/NA	Solid	8015 NM	
880-45778-8	C-3 10'	Total/NA	Solid	8015 NM	
880-45778-9	C-4 10'	Total/NA	Solid	8015 NM	
880-45778-10	C-13 10'	Total/NA	Solid	8015 NM	
880-45778-11	C-1 12'	Total/NA	Solid	8015 NM	
880-45778-12	C-37 12'	Total/NA	Solid	8015 NM	
880-45778-13	SW-18 6-8'	Total/NA	Solid	8015 NM	
880-45778-14	SW-18 5-10'	Total/NA	Solid	8015 NM	
880-45778-15	SW-19 5-10'	Total/NA	Solid	8015 NM	
880-45778-16	C-29 6'	Total/NA	Solid	8015 NM	
880-45778-17	C-55 6'	Total/NA	Solid	8015 NM	
880-45778-18	C-56 6'	Total/NA	Solid	8015 NM	
880-45778-19	C-57 6'	Total/NA	Solid	8015 NM	
880-45778-20	C-2 14'	Total/NA	Solid	8015 NM	
880-45778-21	SW-1D 10-14'	Total/NA	Solid	8015 NM	
880-45778-22	C-82 5'	Total/NA	Solid	8015 NM	
880-45778-23	C-84 5'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

GC Semi VOA

Analysis Batch: 85780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-11	C-1 12'	Total/NA	Solid	8015B NM	85595
880-45778-12	C-37 12'	Total/NA	Solid	8015B NM	85595
880-45778-13	SW-18 6-8'	Total/NA	Solid	8015B NM	85595
880-45778-14	SW-18 5-10'	Total/NA	Solid	8015B NM	85595
MB 880-85595/1-A	Method Blank	Total/NA	Solid	8015B NM	85595
LCS 880-85595/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	85595
LCSD 880-85595/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	85595

Analysis Batch: 85894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-15	SW-19 5-10'	Total/NA	Solid	8015B NM	85716
880-45778-16	C-29 6'	Total/NA	Solid	8015B NM	85716
880-45778-17	C-55 6'	Total/NA	Solid	8015B NM	85716
880-45778-18	C-56 6'	Total/NA	Solid	8015B NM	85716
880-45778-19	C-57 6'	Total/NA	Solid	8015B NM	85716
880-45778-20	C-2 14'	Total/NA	Solid	8015B NM	85716
MB 880-85716/1-A	Method Blank	Total/NA	Solid	8015B NM	85716
LCS 880-85716/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	85716
LCSD 880-85716/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	85716

HPLC/IC

Leach Batch: 85366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-1	C-28 6'	Soluble	Solid	DI Leach	
880-45778-2	C-58 6'	Soluble	Solid	DI Leach	
880-45778-3	C-34 5'	Soluble	Solid	DI Leach	
880-45778-4	C-61 5'	Soluble	Solid	DI Leach	
880-45778-5	C-62 5'	Soluble	Solid	DI Leach	
880-45778-6	C-64 5'	Soluble	Solid	DI Leach	
880-45778-7	C-46 6'	Soluble	Solid	DI Leach	
880-45778-8	C-3 10'	Soluble	Solid	DI Leach	
880-45778-9	C-4 10'	Soluble	Solid	DI Leach	
880-45778-10	C-13 10'	Soluble	Solid	DI Leach	
880-45778-11	C-1 12'	Soluble	Solid	DI Leach	
MB 880-85366/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-85366/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-85366/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45778-2 MS	C-58 6'	Soluble	Solid	DI Leach	
880-45778-2 MSD	C-58 6'	Soluble	Solid	DI Leach	

Analysis Batch: 85395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-1	C-28 6'	Soluble	Solid	300.0	85366
880-45778-2	C-58 6'	Soluble	Solid	300.0	85366
880-45778-3	C-34 5'	Soluble	Solid	300.0	85366
880-45778-4	C-61 5'	Soluble	Solid	300.0	85366
880-45778-5	C-62 5'	Soluble	Solid	300.0	85366
880-45778-6	C-64 5'	Soluble	Solid	300.0	85366
880-45778-7	C-46 6'	Soluble	Solid	300.0	85366
880-45778-8	C-3 10'	Soluble	Solid	300.0	85366

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

HPLC/IC (Continued)

Analysis Batch: 85395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-9	C-4 10'	Soluble	Solid	300.0	85366
880-45778-10	C-13 10'	Soluble	Solid	300.0	85366
880-45778-11	C-1 12'	Soluble	Solid	300.0	85366
MB 880-85366/1-A	Method Blank	Soluble	Solid	300.0	85366
LCS 880-85366/2-A	Lab Control Sample	Soluble	Solid	300.0	85366
LCSD 880-85366/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	85366
880-45778-2 MS	C-58 6'	Soluble	Solid	300.0	85366
880-45778-2 MSD	C-58 6'	Soluble	Solid	300.0	85366

Leach Batch: 85398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-12	C-37 12'	Soluble	Solid	DI Leach	
880-45778-13	SW-18 6-8'	Soluble	Solid	DI Leach	
880-45778-14	SW-18 5-10'	Soluble	Solid	DI Leach	
880-45778-15	SW-19 5-10'	Soluble	Solid	DI Leach	
880-45778-16	C-29 6'	Soluble	Solid	DI Leach	
880-45778-17	C-55 6'	Soluble	Solid	DI Leach	
880-45778-18	C-56 6'	Soluble	Solid	DI Leach	
880-45778-19	C-57 6'	Soluble	Solid	DI Leach	
880-45778-20	C-2 14'	Soluble	Solid	DI Leach	
880-45778-21	SW-1D 10-14'	Soluble	Solid	DI Leach	
880-45778-22	C-82 5'	Soluble	Solid	DI Leach	
880-45778-23	C-84 5'	Soluble	Solid	DI Leach	
MB 880-85398/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-85398/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-85398/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45778-12 MS	C-37 12'	Soluble	Solid	DI Leach	
880-45778-12 MSD	C-37 12'	Soluble	Solid	DI Leach	
880-45778-22 MS	C-82 5'	Soluble	Solid	DI Leach	
880-45778-22 MSD	C-82 5'	Soluble	Solid	DI Leach	

Analysis Batch: 85402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-12	C-37 12'	Soluble	Solid	300.0	85398
880-45778-13	SW-18 6-8'	Soluble	Solid	300.0	85398
880-45778-14	SW-18 5-10'	Soluble	Solid	300.0	85398
880-45778-15	SW-19 5-10'	Soluble	Solid	300.0	85398
880-45778-16	C-29 6'	Soluble	Solid	300.0	85398
880-45778-17	C-55 6'	Soluble	Solid	300.0	85398
880-45778-18	C-56 6'	Soluble	Solid	300.0	85398
880-45778-19	C-57 6'	Soluble	Solid	300.0	85398
880-45778-20	C-2 14'	Soluble	Solid	300.0	85398
880-45778-21	SW-1D 10-14'	Soluble	Solid	300.0	85398
880-45778-22	C-82 5'	Soluble	Solid	300.0	85398
880-45778-23	C-84 5'	Soluble	Solid	300.0	85398
MB 880-85398/1-A	Method Blank	Soluble	Solid	300.0	85398
LCS 880-85398/2-A	Lab Control Sample	Soluble	Solid	300.0	85398
LCSD 880-85398/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	85398
880-45778-12 MS	C-37 12'	Soluble	Solid	300.0	85398
880-45778-12 MSD	C-37 12'	Soluble	Solid	300.0	85398
880-45778-22 MS	C-82 5'	Soluble	Solid	300.0	85398

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

HPLC/IC (Continued)

Analysis Batch: 85402 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45778-22 MSD	C-82 5'	Soluble	Solid	300.0	85398

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-28 6'

Date Collected: 07/08/24 09:45
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-1
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	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 13:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/12/24 18:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	85370	07/10/24 14:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85498	07/12/24 18:17	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85366	07/10/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85395	07/11/24 08:28	CH	EET MID

Client Sample ID: C-58 6'

Date Collected: 07/08/24 09:48
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-2
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			4.95 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 13:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/12/24 19:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	85370	07/10/24 14:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85498	07/12/24 19:03	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85366	07/10/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85395	07/11/24 08:36	CH	EET MID

Client Sample ID: C-34 5'

Date Collected: 07/08/24 09:54
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 14:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/12/24 19:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	85370	07/10/24 14:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85498	07/12/24 19:19	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85366	07/10/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85395	07/11/24 08:58	CH	EET MID

Client Sample ID: C-61 5'

Date Collected: 07/08/24 09:59
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-4
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	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 14:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-61 5'

Date Collected: 07/08/24 09:59
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-4
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			85758	07/12/24 19:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	85370	07/10/24 14:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85498	07/12/24 19:34	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85366	07/10/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85395	07/11/24 09:05	CH	EET MID

Client Sample ID: C-62 5'

Date Collected: 07/08/24 10:15
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 14:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/12/24 19:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	85370	07/10/24 14:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85498	07/12/24 19:50	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	85366	07/10/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85395	07/11/24 09:27	CH	EET MID

Client Sample ID: C-64 5'

Date Collected: 07/08/24 10:17
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/12/24 20:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	85370	07/10/24 14:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85498	07/12/24 20:06	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85366	07/10/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85395	07/11/24 09:35	CH	EET MID

Client Sample ID: C-46 6'

Date Collected: 07/08/24 10:34
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-7
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			4.95 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 15:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/12/24 20:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	85370	07/10/24 14:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85498	07/12/24 20:21	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-46 6'

Date Collected: 07/08/24 10:34
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-7
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			5.04 g	50 mL	85366	07/10/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85395	07/11/24 09:42	CH	EET MID

Client Sample ID: C-3 10'

Date Collected: 07/08/24 10:45
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-8
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	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 15:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 15:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/12/24 20:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	85370	07/10/24 14:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85498	07/12/24 20:37	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85366	07/10/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85395	07/11/24 09:49	CH	EET MID

Client Sample ID: C-4 10'

Date Collected: 07/08/24 10:50
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 16:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 16:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/12/24 20:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	85370	07/10/24 14:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85498	07/12/24 20:53	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85366	07/10/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85395	07/11/24 09:57	CH	EET MID

Client Sample ID: C-13 10'

Date Collected: 07/08/24 11:20
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 16:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 16:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/12/24 21:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	85370	07/10/24 14:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85498	07/12/24 21:08	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85366	07/10/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85395	07/11/24 10:04	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-1 12'

Date Collected: 07/08/24 11:34
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-11
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	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 18:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/16/24 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	85595	07/12/24 14:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 10:45	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	85366	07/10/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85395	07/11/24 10:11	CH	EET MID

Client Sample ID: C-37 12'

Date Collected: 07/08/24 11:40
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-12
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			4.95 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 18:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/16/24 11:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	85595	07/12/24 14:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 11:01	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	85398	07/10/24 16:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85402	07/12/24 02:07	CH	EET MID

Client Sample ID: SW-18 6-8'

Date Collected: 07/08/24 12:02
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-13
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			4.98 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 18:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 18:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/16/24 11:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	85595	07/12/24 14:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 11:16	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85398	07/10/24 16:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85402	07/12/24 02:23	CH	EET MID

Client Sample ID: SW-18 5-10'

Date Collected: 07/08/24 12:19
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-14
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			5.01 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 19:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: SW-18 5-10'

Lab Sample ID: 880-45778-14
Matrix: Solid
Date Collected: 07/08/24 12:19
Date Received: 07/10/24 09:00

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			85758	07/16/24 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	85595	07/12/24 14:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 11:31	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85398	07/10/24 16:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85402	07/12/24 02:28	CH	EET MID

Client Sample ID: SW-19 5-10'

Lab Sample ID: 880-45778-15
Matrix: Solid
Date Collected: 07/08/24 12:30
Date Received: 07/10/24 09:00

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	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 19:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 19:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/16/24 23:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	85716	07/15/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85894	07/16/24 23:55	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	85398	07/10/24 16:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85402	07/12/24 02:34	CH	EET MID

Client Sample ID: C-29 6'

Lab Sample ID: 880-45778-16
Matrix: Solid
Date Collected: 07/08/24 12:38
Date Received: 07/10/24 09:00

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	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 19:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 19:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/17/24 00:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	85716	07/15/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85894	07/17/24 00:10	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85398	07/10/24 16:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85402	07/12/24 02:39	CH	EET MID

Client Sample ID: C-55 6'

Lab Sample ID: 880-45778-17
Matrix: Solid
Date Collected: 07/08/24 12:52
Date Received: 07/10/24 09:00

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	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 20:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 20:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/17/24 00:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	85716	07/15/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85894	07/17/24 00:26	TKC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: C-55 6'

Date Collected: 07/08/24 12:52
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	85398	07/10/24 16:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85402	07/12/24 02:55	CH	EET MID

Client Sample ID: C-56 6'

Date Collected: 07/08/24 13:09
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-18

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			4.95 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 20:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 20:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/17/24 00:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	85716	07/15/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85894	07/17/24 00:41	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	85398	07/10/24 16:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85402	07/12/24 03:00	CH	EET MID

Client Sample ID: C-57 6'

Date Collected: 07/08/24 13:24
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-19

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			4.97 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 20:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 20:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/17/24 00:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	85716	07/15/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85894	07/17/24 00:55	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85398	07/10/24 16:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85402	07/12/24 03:05	CH	EET MID

Client Sample ID: C-2 14'

Date Collected: 07/08/24 13:36
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	85359	07/10/24 11:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85290	07/10/24 21:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 21:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/17/24 01:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	85716	07/15/24 13:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85894	07/17/24 01:10	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85398	07/10/24 16:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85402	07/12/24 03:10	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Client Sample ID: SW-1D 10-14'

Date Collected: 07/08/24 13:42
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	85309	07/10/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85292	07/10/24 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 19:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/12/24 19:03	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	85557	07/12/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85608	07/12/24 19:03	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85398	07/10/24 16:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85402	07/12/24 03:15	CH	EET MID

Client Sample ID: C-82 5'

Date Collected: 07/08/24 13:50
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	85309	07/10/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85292	07/10/24 19:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 19:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/12/24 19:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	85557	07/12/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85608	07/12/24 19:19	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	85398	07/10/24 16:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85402	07/12/24 03:21	CH	EET MID

Client Sample ID: C-84 5'

Date Collected: 07/08/24 13:58
Date Received: 07/10/24 09:00

Lab Sample ID: 880-45778-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	85309	07/10/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85292	07/10/24 19:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85457	07/10/24 19:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			85758	07/12/24 19:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	85557	07/12/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85608	07/12/24 19:34	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85398	07/10/24 16:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85402	07/12/24 03:36	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-45778-1
Project/Site: Pony Riser SDG: 23-0105-04

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: Pony Riser

Job ID: 880-45778-1
SDG: 23-0105-04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-45778-1	C-28 6'	Solid	07/08/24 09:45	07/10/24 09:00
880-45778-2	C-58 6'	Solid	07/08/24 09:48	07/10/24 09:00
880-45778-3	C-34 5'	Solid	07/08/24 09:54	07/10/24 09:00
880-45778-4	C-61 5'	Solid	07/08/24 09:59	07/10/24 09:00
880-45778-5	C-62 5'	Solid	07/08/24 10:15	07/10/24 09:00
880-45778-6	C-64 5'	Solid	07/08/24 10:17	07/10/24 09:00
880-45778-7	C-46 6'	Solid	07/08/24 10:34	07/10/24 09:00
880-45778-8	C-3 10'	Solid	07/08/24 10:45	07/10/24 09:00
880-45778-9	C-4 10'	Solid	07/08/24 10:50	07/10/24 09:00
880-45778-10	C-13 10'	Solid	07/08/24 11:20	07/10/24 09:00
880-45778-11	C-1 12'	Solid	07/08/24 11:34	07/10/24 09:00
880-45778-12	C-37 12'	Solid	07/08/24 11:40	07/10/24 09:00
880-45778-13	SW-18 6-8'	Solid	07/08/24 12:02	07/10/24 09:00
880-45778-14	SW-18 5-10'	Solid	07/08/24 12:19	07/10/24 09:00
880-45778-15	SW-19 5-10'	Solid	07/08/24 12:30	07/10/24 09:00
880-45778-16	C-29 6'	Solid	07/08/24 12:38	07/10/24 09:00
880-45778-17	C-55 6'	Solid	07/08/24 12:52	07/10/24 09:00
880-45778-18	C-56 6'	Solid	07/08/24 13:09	07/10/24 09:00
880-45778-19	C-57 6'	Solid	07/08/24 13:24	07/10/24 09:00
880-45778-20	C-2 14'	Solid	07/08/24 13:36	07/10/24 09:00
880-45778-21	SW-1D 10-14'	Solid	07/08/24 13:42	07/10/24 09:00
880-45778-22	C-82 5'	Solid	07/08/24 13:50	07/10/24 09:00
880-45778-23	C-84 5'	Solid	07/08/24 13:58	07/10/24 09:00

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880-45778 Chain of Custody

No. 3357

CHAIN-OF-CUSTODY

7/17/2024

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

DATE: 7/9/2024 PAGE 1 OF 2

PO#: _____ LAB WORK ORDER#: _____

PROJECT LOCATION OR NAME: PONY RISER

LAI PROJECT #: 23-0105-04 COLLECTOR: DSG

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MNT/NM

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D.W. 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	HEXAVALENT CHROMIUM ☐	CYANIDE ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-28 6'		7/8/24	0945	S	1				X		X		X	X	X																											X			
C-58 6'			0948																																									
C-34 5'			0954																																									
C-61 5'			0959																																									
C-62 5'			1015																																									
C-64 5'			1017																																									
C-46 6'			1034																																									
C-3 10'			1045																																									
C-4 10'			1050																																									
C-13 10'			1120																																									
C-1 12'			1134																																									
C-37 12'			1140																																									
SW-18 6-8'			1202																																									
SW-8 5-10'			1219																																									
SW-19 5-10'			1230																																									
TOTAL 15																																											

RELINQUISHED BY:(Signature) DATE/TIME 7/10 9:10 RECEIVED BY: (Signature)

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

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

LABORATORY: EUROFINS

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

LABORATORY USE ONLY:
RECEIVING TEMP: -0.7/-0.8 THERM#: TH8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

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Received by OCD: 11/14/2024 4:51:29 PM

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No. 3358

W5778 CHAIN-OF-CUSTODY

7/17/2024

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

Data Reported to:

DATE: 7/9/2024 PAGE 2 OF 2

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: PONY RISER

LAI PROJECT #: 23-0105-04 COLLECTOR: DSG

TRRP report? ☐ Yes ☒ No

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

TIME ZONE: Time zone/State: MNT / NM

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D.W. 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	CYANIDE ☐	CHLORIDE ☒	PECHLORATE ☐	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-29 6'		7/8/24	1238	S	1				X		X		X	X	X																										X					
C-55 6'			1252	S																																										
C-56 6'			1309																																											
C-57 6'			1324																																											
C-2 14'			1334																																											
SW-1D @14'			1342																																											
C-82 5'			1350																																											
C-84 5'			1358																																											

TOTAL 8

RELINQUISHED BY:(Signature)	DATE/TIME 7/10 9:00	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: EUROFINS

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

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

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Received by OCD: 11/14/2024 4:51:29 PM

Released to Imaging: 3/4/2025 10:16:12 AM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-45778-1
SDG Number: 23-0105-04

Login Number: 45778
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/1/2024 9:48:02 AM Revision 1

JOB DESCRIPTION

Pony Riser
23-0105-04

JOB NUMBER

880-45989-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 3/4/2025 10:16:12 AM

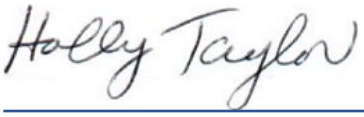
Eurofins Midland

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
8/1/2024 9:48:02 AM
Revision 1

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

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Released to Imaging: 3/4/2025 10:16:12 AM

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-45989-1
Project/Site: Pony Riser SDG: 23-0105-04

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-45989-1
Project: Pony Riser

Job ID: 880-45989-1 Eurofins Midland

Job Narrative
880-45989-1

REVISION
The report being provided is a revision of the original report sent on 7/18/2024. The report (revision 1) is being revised to change the sample ID for 45989-17 C-44-8' to C-14-8' per Daniel St Germain (email).

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

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

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

Receipt
The samples were received on 7/15/2024 2:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-5 9' (880-45989-1), C-6 8' (880-45989-2), C-9 7' (880-45989-3), C-12 9' (880-45989-4), C-15 8' (880-45989-5), C- 16 8' (880-45989-6), C-17 8' (880-45989-7), C-19 9' (880-45989-8), C-20 8' (880-45989-9), C- 21 9' (880-45989-10), C- 36 8' (880-45989-11), C-38 8' (880-45989-12), C-39 8' (880-45989-13), C-40 8' (880-45989-14), C-43 6' (880-45989-15), C-44 6' (880-45989-16) and C-14 8' (880-45989-17).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-85713 and analytical batch 880-85657 was outside the upper control limits.

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

Diesel Range Organics
Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-85837 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (CCV 880-85837/32). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The closing continuing calibration verification (CCVC) associated with batch 880-85837 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-85882 and analytical batch 880-85950 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.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-5 9'

Date Collected: 07/12/24 11:25
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-1

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		07/15/24 16:00	07/15/24 17:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:00	07/15/24 17:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:00	07/15/24 17:28	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/15/24 16:00	07/15/24 17:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:00	07/15/24 17:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/15/24 16:00	07/15/24 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*07/15/24 16:00*	*07/15/24 17:28*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/15/24 16:00*	*07/15/24 17:28*	*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			07/15/24 17:28	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			07/16/24 23:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/15/24 16:33	07/16/24 23:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/15/24 16:33	07/16/24 23:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/15/24 16:33	07/16/24 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*07/15/24 16:33*	*07/16/24 23:25*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*07/15/24 16:33*	*07/16/24 23:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**357**	**F1**	5.05		mg/Kg			07/18/24 04:56	1

Client Sample ID: C-6 8'

Date Collected: 07/12/24 10:53
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/15/24 16:00	07/15/24 17:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/15/24 16:00	07/15/24 17:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/15/24 16:00	07/15/24 17:48	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/15/24 16:00	07/15/24 17:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/15/24 16:00	07/15/24 17:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/15/24 16:00	07/15/24 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*07/15/24 16:00*	*07/15/24 17:48*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*07/15/24 16:00*	*07/15/24 17:48*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-6 8'
Date Collected: 07/12/24 10:53
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-2
Matrix: Solid

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			07/15/24 17:48	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			07/17/24 00:14	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/15/24 16:33	07/17/24 00:14	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/15/24 16:33	07/17/24 00:14	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/15/24 16:33	07/17/24 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*07/15/24 16:33*	*07/17/24 00:14*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*07/15/24 16:33*	*07/17/24 00:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.4**		5.03		mg/Kg			07/18/24 05:12	1

Client Sample ID: C-9 7'
Date Collected: 07/12/24 11:32
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 19:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 19:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 19:55	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/15/24 16:00	07/15/24 19:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 19:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:00	07/15/24 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*07/15/24 16:00*	*07/15/24 19:55*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*07/15/24 16:00*	*07/15/24 19:55*	*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			07/15/24 19:55	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			07/17/24 00:31	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		07/15/24 16:33	07/17/24 00:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/15/24 16:33	07/17/24 00:31	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-9 7'
Date Collected: 07/12/24 11:32
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-3
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		07/15/24 16:33	07/17/24 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*93*		*70 - 130*	*07/15/24 16:33*	*07/17/24 00:31*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*07/15/24 16:33*	*07/17/24 00:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**245**		4.97		mg/Kg			07/18/24 05:17	1

Client Sample ID: C-12 9'
Date Collected: 07/12/24 11:34
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 20:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 20:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 20:15	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/15/24 16:00	07/15/24 20:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 20:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:00	07/15/24 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*07/15/24 16:00*	*07/15/24 20:15*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*07/15/24 16:00*	*07/15/24 20:15*	*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			07/15/24 20:15	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			07/17/24 00:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/15/24 16:33	07/17/24 00:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/15/24 16:33	07/17/24 00:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/15/24 16:33	07/17/24 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*07/15/24 16:33*	*07/17/24 00:47*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/17/24 00:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.9**		5.01		mg/Kg			07/18/24 05:22	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-15 8'

Date Collected: 07/12/24 10:40
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:00	07/15/24 20:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:00	07/15/24 20:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:00	07/15/24 20:36	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/15/24 16:00	07/15/24 20:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:00	07/15/24 20:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/15/24 16:00	07/15/24 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*07/15/24 16:00*	*07/15/24 20:36*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*07/15/24 16:00*	*07/15/24 20:36*	*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			07/15/24 20:36	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			07/17/24 01:03	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	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 01:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 01:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*07/15/24 16:33*	*07/17/24 01:03*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*07/15/24 16:33*	*07/17/24 01:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.4**		4.99		mg/Kg			07/18/24 05:28	1

Client Sample ID: C- 16 8'

Date Collected: 07/12/24 10:43
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 20:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 20:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 20:56	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/15/24 16:00	07/15/24 20:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 20:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:00	07/15/24 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*07/15/24 16:00*	*07/15/24 20:56*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*07/15/24 16:00*	*07/15/24 20:56*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C- 16 8'

Date Collected: 07/12/24 10:43
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-6
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			07/15/24 20:56	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			07/17/24 01:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 01:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 01:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*07/15/24 16:33*	*07/17/24 01:20*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*07/15/24 16:33*	*07/17/24 01:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48.0**		4.98		mg/Kg			07/18/24 05:43	1

Client Sample ID: C-17 8'

Date Collected: 07/12/24 10:44
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 21:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 21:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 21:17	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/15/24 16:00	07/15/24 21:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 21:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:00	07/15/24 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*07/15/24 16:00*	*07/15/24 21:17*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*07/15/24 16:00*	*07/15/24 21:17*	*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			07/15/24 21:17	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			07/17/24 01:36	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	<50.0	U	50.0		mg/Kg		07/15/24 16:33	07/17/24 01:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/15/24 16:33	07/17/24 01:36	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-45989-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-17 8'
Lab Sample ID: 880-45989-7
Date Collected: 07/12/24 10:44 **Matrix: Solid**
Date Received: 07/15/24 14:50

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		07/15/24 16:33	07/17/24 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*85*		*70 - 130*	*07/15/24 16:33*	*07/17/24 01:36*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*07/15/24 16:33*	*07/17/24 01:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**203**		5.02		mg/Kg			07/18/24 05:49	1

Client Sample ID: C-19 9'
Lab Sample ID: 880-45989-8
Date Collected: 07/12/24 11:45 **Matrix: Solid**
Date Received: 07/15/24 14:50

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		07/15/24 16:00	07/15/24 21:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 21:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 21:38	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/15/24 16:00	07/15/24 21:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:00	07/15/24 21:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:00	07/15/24 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*07/15/24 16:00*	*07/15/24 21:38*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*07/15/24 16:00*	*07/15/24 21:38*	*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			07/15/24 21:38	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			07/17/24 01:51	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	<49.7	U	49.7		mg/Kg		07/15/24 16:33	07/17/24 01:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/15/24 16:33	07/17/24 01:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/15/24 16:33	07/17/24 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*07/15/24 16:33*	*07/17/24 01:51*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*07/15/24 16:33*	*07/17/24 01:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**158**		5.04		mg/Kg			07/18/24 05:54	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-20 8'

Date Collected: 07/12/24 10:56
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-9

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		07/16/24 09:17	07/16/24 12:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/16/24 09:17	07/16/24 12:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/16/24 09:17	07/16/24 12:35	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/16/24 09:17	07/16/24 12:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/16/24 09:17	07/16/24 12:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/16/24 09:17	07/16/24 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/16/24 09:17*	*07/16/24 12:35*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*07/16/24 09:17*	*07/16/24 12:35*	*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			07/16/24 12:35	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			07/17/24 02:09	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		07/15/24 16:33	07/17/24 02:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 02:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*07/15/24 16:33*	*07/17/24 02:09*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*07/15/24 16:33*	*07/17/24 02:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**295**		5.04		mg/Kg			07/18/24 05:59	1

Client Sample ID: C- 21 9'

Date Collected: 07/12/24 12:00
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-10

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:17	07/16/24 13:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:17	07/16/24 13:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:17	07/16/24 13:37	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/16/24 09:17	07/16/24 13:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:17	07/16/24 13:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/16/24 09:17	07/16/24 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/16/24 09:17*	*07/16/24 13:37*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/16/24 09:17*	*07/16/24 13:37*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C- 21 9'
Date Collected: 07/12/24 12:00
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/16/24 13:37	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			07/17/24 02:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/15/24 16:33	07/17/24 02:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/15/24 16:33	07/17/24 02:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/15/24 16:33	07/17/24 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*07/15/24 16:33*	*07/17/24 02:25*	*1*
o-Terphenyl (Surr)	*83*		*70 - 130*	*07/15/24 16:33*	*07/17/24 02:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**169**		4.99		mg/Kg			07/18/24 06:04	1

Client Sample ID: C- 36 8'
Date Collected: 07/12/24 10:45
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:17	07/16/24 13:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:17	07/16/24 13:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:17	07/16/24 13:57	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/16/24 09:17	07/16/24 13:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:17	07/16/24 13:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/16/24 09:17	07/16/24 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/16/24 09:17*	*07/16/24 13:57*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/16/24 09:17*	*07/16/24 13:57*	*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			07/16/24 13:57	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			07/17/24 02:57	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	<49.6	U	49.6		mg/Kg		07/15/24 16:33	07/17/24 02:57	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/15/24 16:33	07/17/24 02:57	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C- 36 8'
Date Collected: 07/12/24 10:45
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-11
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)	<49.6	U	49.6		mg/Kg		07/15/24 16:33	07/17/24 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*07/15/24 16:33*	*07/17/24 02:57*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*07/15/24 16:33*	*07/17/24 02:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.0**	**F1**	4.97		mg/Kg			07/18/24 06:09	1

Client Sample ID: C-38 8'
Date Collected: 07/12/24 10:46
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-12
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		07/16/24 09:17	07/16/24 14:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:17	07/16/24 14:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:17	07/16/24 14:18	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/16/24 09:17	07/16/24 14:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:17	07/16/24 14:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/16/24 09:17	07/16/24 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/16/24 09:17*	*07/16/24 14:18*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/16/24 09:17*	*07/16/24 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			07/16/24 14:18	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			07/17/24 03:13	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	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 03:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 03:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*07/15/24 16:33*	*07/17/24 03:13*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*07/15/24 16:33*	*07/17/24 03:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48.0**		5.01		mg/Kg			07/18/24 06:25	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-39 8'
Date Collected: 07/12/24 10:50
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/16/24 09:18	07/16/24 12:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/16/24 09:18	07/16/24 12:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/16/24 09:18	07/16/24 12:37	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/16/24 09:18	07/16/24 12:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/16/24 09:18	07/16/24 12:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/16/24 09:18	07/16/24 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/16/24 09:18*	*07/16/24 12:37*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/16/24 09:18*	*07/16/24 12:37*	*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			07/16/24 12:37	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			07/17/24 03:29	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	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 03:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 03:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/17/24 03:29*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/17/24 03:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			07/18/24 06:30	1

Client Sample ID: C-40 8'
Date Collected: 07/12/24 10:52
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-14
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		07/16/24 09:18	07/16/24 17:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:18	07/16/24 17:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:18	07/16/24 17:16	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		07/16/24 09:18	07/16/24 17:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:18	07/16/24 17:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/16/24 09:18	07/16/24 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/16/24 09:18*	*07/16/24 17:16*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/16/24 09:18*	*07/16/24 17:16*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-40 8'
Date Collected: 07/12/24 10:52
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-14
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			07/16/24 17:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/17/24 03:45	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		07/15/24 16:33	07/17/24 03:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/15/24 16:33	07/17/24 03:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/15/24 16:33	07/17/24 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*07/15/24 16:33*	*07/17/24 03:45*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*07/15/24 16:33*	*07/17/24 03:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89.7**		4.95		mg/Kg			07/18/24 06:46	1

Client Sample ID: C-43 6'
Date Collected: 07/12/24 10:57
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:18	07/16/24 13:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:18	07/16/24 13:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:18	07/16/24 13:18	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/16/24 09:18	07/16/24 13:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:18	07/16/24 13:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/16/24 09:18	07/16/24 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/16/24 09:18*	*07/16/24 13:18*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/16/24 09:18*	*07/16/24 13:18*	*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			07/16/24 13:18	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			07/17/24 04:03	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	<49.9	U	49.9		mg/Kg		07/15/24 16:33	07/17/24 04:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/15/24 16:33	07/17/24 04:03	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-43 6'
Date Collected: 07/12/24 10:57
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-15
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)	<49.9	U	49.9		mg/Kg		07/15/24 16:33	07/17/24 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*07/15/24 16:33*	*07/17/24 04:03*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*07/15/24 16:33*	*07/17/24 04:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**321**		4.95		mg/Kg			07/18/24 06:52	1

Client Sample ID: C-44 6'
Date Collected: 07/12/24 10:59
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:18	07/16/24 13:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:18	07/16/24 13:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:18	07/16/24 13:38	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/16/24 09:18	07/16/24 13:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:18	07/16/24 13:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/16/24 09:18	07/16/24 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/16/24 09:18*	*07/16/24 13:38*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/16/24 09:18*	*07/16/24 13:38*	*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			07/16/24 13:38	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			07/17/24 04:18	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	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 04:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 04:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/17/24 04:18*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/17/24 04:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**371**		5.02		mg/Kg			07/18/24 06:57	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-14 8'

Date Collected: 07/12/24 11:40
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-17

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:18	07/16/24 13:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:18	07/16/24 13:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:18	07/16/24 13:59	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/16/24 09:18	07/16/24 13:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/16/24 09:18	07/16/24 13:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/16/24 09:18	07/16/24 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/16/24 09:18*	*07/16/24 13:59*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/16/24 09:18*	*07/16/24 13:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/16/24 13:59	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			07/17/24 04:35	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	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 04:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 04:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/15/24 16:33	07/17/24 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/17/24 04:35*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*07/15/24 16:33*	*07/17/24 04:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**132**		5.05		mg/Kg			07/18/24 07:02	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

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)
880-45989-1	C-5 9'	82	85
880-45989-2	C-6 8'	86	81
880-45989-3	C-9 7'	78	76
880-45989-4	C-12 9'	77	75
880-45989-5	C-15 8'	81	77
880-45989-6	C- 16 8'	84	74
880-45989-7	C-17 8'	84	73
880-45989-8	C-19 9'	87	77
880-45989-9	C-20 8'	112	88
880-45989-9 MS	C-20 8'	110	90
880-45989-9 MSD	C-20 8'	109	92
880-45989-10	C- 21 9'	110	87
880-45989-11	C- 36 8'	110	87
880-45989-12	C-38 8'	109	86
880-45989-13	C-39 8'	107	100
880-45989-13 MS	C-39 8'	105	100
880-45989-13 MSD	C-39 8'	105	98
880-45989-14	C-40 8'	114	99
880-45989-15	C-43 6'	109	100
880-45989-16	C-44 6'	108	99
880-45989-17	C-14 8'	109	100
LCS 880-85713/1-A	Lab Control Sample	102	97
LCS 880-85799/1-A	Lab Control Sample	110	91
LCS 880-85800/1-A	Lab Control Sample	104	99
LCSD 880-85713/2-A	Lab Control Sample Dup	106	98
LCSD 880-85799/2-A	Lab Control Sample Dup	109	92
LCSD 880-85800/2-A	Lab Control Sample Dup	105	99
MB 880-85713/5-A	Method Blank	69 S1-	92
MB 880-85799/5-A	Method Blank	110	84
MB 880-85800/5-A	Method Blank	105	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)
880-45989-1	C-5 9'	95	97
880-45989-1 MS	C-5 9'	80	86
880-45989-1 MSD	C-5 9'	80	86
880-45989-2	C-6 8'	88	88
880-45989-3	C-9 7'	93	94
880-45989-4	C-12 9'	89	90
880-45989-5	C-15 8'	88	88
880-45989-6	C- 16 8'	88	88
880-45989-7	C-17 8'	85	85

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-45989-1
Project/Site: Pony Riser SDG: 23-0105-04

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)
880-45989-8	C-19 9'	101	101
880-45989-9	C-20 8'	83	84
880-45989-10	C- 21 9'	83	83
880-45989-11	C- 36 8'	91	91
880-45989-12	C-38 8'	94	94
880-45989-13	C-39 8'	90	90
880-45989-14	C-40 8'	96	95
880-45989-15	C-43 6'	92	92
880-45989-16	C-44 6'	90	90
880-45989-17	C-14 8'	90	91
LCS 880-85762/2-A	Lab Control Sample	92	101
LCSD 880-85762/3-A	Lab Control Sample Dup	92	100
MB 880-85762/1-A	Method Blank	97	105

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-85713/5-A
Matrix: Solid
Analysis Batch: 85657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85713

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/15/24 13:22	07/15/24 15:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 13:22	07/15/24 15:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 13:22	07/15/24 15:02	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/15/24 13:22	07/15/24 15:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/15/24 13:22	07/15/24 15:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/15/24 13:22	07/15/24 15:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*07/15/24 13:22*	*07/15/24 15:02*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/15/24 13:22*	*07/15/24 15:02*	*1*

Lab Sample ID: LCS 880-85713/1-A
Matrix: Solid
Analysis Batch: 85657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85713

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09140		mg/Kg		91	70 - 130		
Toluene			0.100	0.08532		mg/Kg		85	70 - 130		
Ethylbenzene			0.100	0.09195		mg/Kg		92	70 - 130		
m,p-Xylenes			0.200	0.2133		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.09894		mg/Kg		99	70 - 130		

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

Lab Sample ID: LCSD 880-85713/2-A
Matrix: Solid
Analysis Batch: 85657

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85713

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09425		mg/Kg		94	70 - 130	3	35
Toluene			0.100	0.09922		mg/Kg		99	70 - 130	15	35
Ethylbenzene			0.100	0.1176		mg/Kg		118	70 - 130	25	35
m,p-Xylenes			0.200	0.2241		mg/Kg		112	70 - 130	5	35
o-Xylene			0.100	0.1048		mg/Kg		105	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-85799/5-A
Matrix: Solid
Analysis Batch: 85798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85799

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:17	07/16/24 12:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:17	07/16/24 12:13	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

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

Lab Sample ID: MB 880-85799/5-A
Matrix: Solid
Analysis Batch: 85798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85799

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:17	07/16/24 12:13	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/16/24 09:17	07/16/24 12:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:17	07/16/24 12:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/16/24 09:17	07/16/24 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/16/24 09:17*	*07/16/24 12:13*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*07/16/24 09:17*	*07/16/24 12:13*	*1*

Lab Sample ID: LCS 880-85799/1-A
Matrix: Solid
Analysis Batch: 85798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85799

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09513		mg/Kg		95	70 - 130		
Toluene			0.100	0.09140		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.09019		mg/Kg		90	70 - 130		
m,p-Xylenes			0.200	0.1984		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.1003		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-85799/2-A
Matrix: Solid
Analysis Batch: 85798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85799

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09888		mg/Kg		99	70 - 130	4	35
Toluene			0.100	0.09470		mg/Kg		95	70 - 130	4	35
Ethylbenzene			0.100	0.09355		mg/Kg		94	70 - 130	4	35
m,p-Xylenes			0.200	0.2061		mg/Kg		103	70 - 130	4	35
o-Xylene			0.100	0.1039		mg/Kg		104	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-45989-9 MS
Matrix: Solid
Analysis Batch: 85798

Client Sample ID: C-20 8'
Prep Type: Total/NA
Prep Batch: 85799

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.0996	0.08417		mg/Kg		85	70 - 130		
Toluene	<0.00201	U	0.0996	0.07923		mg/Kg		80	70 - 130		
Ethylbenzene	<0.00201	U	0.0996	0.07660		mg/Kg		77	70 - 130		
m,p-Xylenes	<0.00402	U	0.199	0.1693		mg/Kg		85	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

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

Lab Sample ID: 880-45989-9 MS
Matrix: Solid
Analysis Batch: 85798

Client Sample ID: C-20 8'
Prep Type: Total/NA
Prep Batch: 85799

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00201	U	0.0996	0.08568		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-45989-9 MSD
Matrix: Solid
Analysis Batch: 85798

Client Sample ID: C-20 8'
Prep Type: Total/NA
Prep Batch: 85799

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0994	0.09811		mg/Kg		99	70 - 130	15	35
Toluene	<0.00201	U	0.0994	0.09249		mg/Kg		93	70 - 130	15	35
Ethylbenzene	<0.00201	U	0.0994	0.08952		mg/Kg		90	70 - 130	16	35
m,p-Xylenes	<0.00402	U	0.199	0.1970		mg/Kg		99	70 - 130	15	35
o-Xylene	<0.00201	U	0.0994	0.09824		mg/Kg		99	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: MB 880-85800/5-A
Matrix: Solid
Analysis Batch: 85801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85800

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:18	07/16/24 12:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:18	07/16/24 12:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:18	07/16/24 12:15	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/16/24 09:18	07/16/24 12:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:18	07/16/24 12:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/16/24 09:18	07/16/24 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*07/16/24 09:18*	*07/16/24 12:15*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/16/24 09:18*	*07/16/24 12:15*	*1*

Lab Sample ID: LCS 880-85800/1-A
Matrix: Solid
Analysis Batch: 85801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85800

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08779		mg/Kg		88	70 - 130
Toluene	0.100	0.08211		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.09341		mg/Kg		93	70 - 130
m,p-Xylenes	0.200	0.1684		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08604		mg/Kg		86	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

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

Lab Sample ID: LCS 880-85800/1-A
Matrix: Solid
Analysis Batch: 85801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85800

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-85800/2-A
Matrix: Solid
Analysis Batch: 85801

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85800

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09199		mg/Kg		92	70 - 130	5	35
Toluene			0.100	0.08599		mg/Kg		86	70 - 130	5	35
Ethylbenzene			0.100	0.09816		mg/Kg		98	70 - 130	5	35
m,p-Xylenes			0.200	0.1765		mg/Kg		88	70 - 130	5	35
o-Xylene			0.100	0.09072		mg/Kg		91	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-45989-13 MS
Matrix: Solid
Analysis Batch: 85801

Client Sample ID: C-39 8'
Prep Type: Total/NA
Prep Batch: 85800

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0996	0.09651		mg/Kg		97	70 - 130
Toluene	<0.00201	U	0.0996	0.08896		mg/Kg		89	70 - 130
Ethylbenzene	<0.00201	U	0.0996	0.09958		mg/Kg		100	70 - 130
m,p-Xylenes	<0.00402	U	0.199	0.1797		mg/Kg		90	70 - 130
o-Xylene	<0.00201	U	0.0996	0.09081		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-45989-13 MSD
Matrix: Solid
Analysis Batch: 85801

Client Sample ID: C-39 8'
Prep Type: Total/NA
Prep Batch: 85800

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0994	0.09260		mg/Kg		93	70 - 130	4	35
Toluene	<0.00201	U	0.0994	0.08488		mg/Kg		85	70 - 130	5	35
Ethylbenzene	<0.00201	U	0.0994	0.09478		mg/Kg		95	70 - 130	5	35
m,p-Xylenes	<0.00402	U	0.199	0.1708		mg/Kg		86	70 - 130	5	35
o-Xylene	<0.00201	U	0.0994	0.08577		mg/Kg		86	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

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

Lab Sample ID: MB 880-85762/1-A
Matrix: Solid
Analysis Batch: 85837

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85762

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		07/15/24 16:33	07/16/24 22:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/15/24 16:33	07/16/24 22:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/15/24 16:33	07/16/24 22:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*97*		*70 - 130*	*07/15/24 16:33*	*07/16/24 22:36*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*07/15/24 16:33*	*07/16/24 22:36*	*1*

Lab Sample ID: LCS 880-85762/2-A
Matrix: Solid
Analysis Batch: 85837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85762

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	850.2		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	910.1		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*92*		*70 - 130*
o-Terphenyl (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-85762/3-A
Matrix: Solid
Analysis Batch: 85837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85762

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	843.1		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	905.6		mg/Kg		91	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*92*		*70 - 130*
o-Terphenyl (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-45989-1 MS
Matrix: Solid
Analysis Batch: 85837

Client Sample ID: C-5 9'
Prep Type: Total/NA
Prep Batch: 85762

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	727.4		mg/Kg		73	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	996	740.5		mg/Kg		74	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

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

Lab Sample ID: 880-45989-1 MS
Matrix: Solid
Analysis Batch: 85837

Client Sample ID: C-5 9'
Prep Type: Total/NA
Prep Batch: 85762

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*80*		*70 - 130*
o-Terphenyl (Surr)	*86*		*70 - 130*

Lab Sample ID: 880-45989-1 MSD
Matrix: Solid
Analysis Batch: 85837

Client Sample ID: C-5 9'
Prep Type: Total/NA
Prep Batch: 85762

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	996	745.9		mg/Kg		75	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	742.2		mg/Kg		75	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*80*		*70 - 130*
o-Terphenyl (Surr)	*86*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-85882/1-A
Matrix: Solid
Analysis Batch: 85950

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			07/18/24 04:41	1

Lab Sample ID: LCS 880-85882/2-A
Matrix: Solid
Analysis Batch: 85950

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	270.0		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-85882/3-A
Matrix: Solid
Analysis Batch: 85950

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	270.5		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-45989-1 MS
Matrix: Solid
Analysis Batch: 85950

Client Sample ID: C-5 9'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	357	F1	253	642.1	F1	mg/Kg		113	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-45989-1 MSD
Matrix: Solid
Analysis Batch: 85950

Client Sample ID: C-5 9'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	357	F1	253	642.6	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: 880-45989-11 MS
Matrix: Solid
Analysis Batch: 85950

Client Sample ID: C- 36 8'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	16.0	F1	249	326.8	F1	mg/Kg		125	90 - 110

Lab Sample ID: 880-45989-11 MSD
Matrix: Solid
Analysis Batch: 85950

Client Sample ID: C- 36 8'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	16.0	F1	249	326.9	F1	mg/Kg		125	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

GC VOA

Analysis Batch: 85657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-1	C-5 9'	Total/NA	Solid	8021B	85713
880-45989-2	C-6 8'	Total/NA	Solid	8021B	85713
880-45989-3	C-9 7'	Total/NA	Solid	8021B	85713
880-45989-4	C-12 9'	Total/NA	Solid	8021B	85713
880-45989-5	C-15 8'	Total/NA	Solid	8021B	85713
880-45989-6	C- 16 8'	Total/NA	Solid	8021B	85713
880-45989-7	C-17 8'	Total/NA	Solid	8021B	85713
880-45989-8	C-19 9'	Total/NA	Solid	8021B	85713
MB 880-85713/5-A	Method Blank	Total/NA	Solid	8021B	85713
LCS 880-85713/1-A	Lab Control Sample	Total/NA	Solid	8021B	85713
LCSD 880-85713/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	85713

Prep Batch: 85713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-1	C-5 9'	Total/NA	Solid	5035	
880-45989-2	C-6 8'	Total/NA	Solid	5035	
880-45989-3	C-9 7'	Total/NA	Solid	5035	
880-45989-4	C-12 9'	Total/NA	Solid	5035	
880-45989-5	C-15 8'	Total/NA	Solid	5035	
880-45989-6	C- 16 8'	Total/NA	Solid	5035	
880-45989-7	C-17 8'	Total/NA	Solid	5035	
880-45989-8	C-19 9'	Total/NA	Solid	5035	
MB 880-85713/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-85713/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-85713/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 85798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-9	C-20 8'	Total/NA	Solid	8021B	85799
880-45989-10	C- 21 9'	Total/NA	Solid	8021B	85799
880-45989-11	C- 36 8'	Total/NA	Solid	8021B	85799
880-45989-12	C-38 8'	Total/NA	Solid	8021B	85799
MB 880-85799/5-A	Method Blank	Total/NA	Solid	8021B	85799
LCS 880-85799/1-A	Lab Control Sample	Total/NA	Solid	8021B	85799
LCSD 880-85799/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	85799
880-45989-9 MS	C-20 8'	Total/NA	Solid	8021B	85799
880-45989-9 MSD	C-20 8'	Total/NA	Solid	8021B	85799

Prep Batch: 85799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-9	C-20 8'	Total/NA	Solid	5035	
880-45989-10	C- 21 9'	Total/NA	Solid	5035	
880-45989-11	C- 36 8'	Total/NA	Solid	5035	
880-45989-12	C-38 8'	Total/NA	Solid	5035	
MB 880-85799/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-85799/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-85799/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45989-9 MS	C-20 8'	Total/NA	Solid	5035	
880-45989-9 MSD	C-20 8'	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

GC VOA

Prep Batch: 85800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-13	C-39 8'	Total/NA	Solid	5035	
880-45989-14	C-40 8'	Total/NA	Solid	5035	
880-45989-15	C-43 6'	Total/NA	Solid	5035	
880-45989-16	C-44 6'	Total/NA	Solid	5035	
880-45989-17	C-14 8'	Total/NA	Solid	5035	
MB 880-85800/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-85800/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-85800/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45989-13 MS	C-39 8'	Total/NA	Solid	5035	
880-45989-13 MSD	C-39 8'	Total/NA	Solid	5035	

Analysis Batch: 85801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-13	C-39 8'	Total/NA	Solid	8021B	85800
880-45989-14	C-40 8'	Total/NA	Solid	8021B	85800
880-45989-15	C-43 6'	Total/NA	Solid	8021B	85800
880-45989-16	C-44 6'	Total/NA	Solid	8021B	85800
880-45989-17	C-14 8'	Total/NA	Solid	8021B	85800
MB 880-85800/5-A	Method Blank	Total/NA	Solid	8021B	85800
LCS 880-85800/1-A	Lab Control Sample	Total/NA	Solid	8021B	85800
LCSD 880-85800/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	85800
880-45989-13 MS	C-39 8'	Total/NA	Solid	8021B	85800
880-45989-13 MSD	C-39 8'	Total/NA	Solid	8021B	85800

Analysis Batch: 85866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-1	C-5 9'	Total/NA	Solid	Total BTEX	
880-45989-2	C-6 8'	Total/NA	Solid	Total BTEX	
880-45989-3	C-9 7'	Total/NA	Solid	Total BTEX	
880-45989-4	C-12 9'	Total/NA	Solid	Total BTEX	
880-45989-5	C-15 8'	Total/NA	Solid	Total BTEX	
880-45989-6	C- 16 8'	Total/NA	Solid	Total BTEX	
880-45989-7	C-17 8'	Total/NA	Solid	Total BTEX	
880-45989-8	C-19 9'	Total/NA	Solid	Total BTEX	
880-45989-9	C-20 8'	Total/NA	Solid	Total BTEX	
880-45989-10	C- 21 9'	Total/NA	Solid	Total BTEX	
880-45989-11	C- 36 8'	Total/NA	Solid	Total BTEX	
880-45989-12	C-38 8'	Total/NA	Solid	Total BTEX	
880-45989-13	C-39 8'	Total/NA	Solid	Total BTEX	
880-45989-14	C-40 8'	Total/NA	Solid	Total BTEX	
880-45989-15	C-43 6'	Total/NA	Solid	Total BTEX	
880-45989-16	C-44 6'	Total/NA	Solid	Total BTEX	
880-45989-17	C-14 8'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 85762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-1	C-5 9'	Total/NA	Solid	8015NM Prep	
880-45989-2	C-6 8'	Total/NA	Solid	8015NM Prep	
880-45989-3	C-9 7'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

GC Semi VOA (Continued)

Prep Batch: 85762 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-4	C-12 9'	Total/NA	Solid	8015NM Prep	
880-45989-5	C-15 8'	Total/NA	Solid	8015NM Prep	
880-45989-6	C- 16 8'	Total/NA	Solid	8015NM Prep	
880-45989-7	C-17 8'	Total/NA	Solid	8015NM Prep	
880-45989-8	C-19 9'	Total/NA	Solid	8015NM Prep	
880-45989-9	C-20 8'	Total/NA	Solid	8015NM Prep	
880-45989-10	C- 21 9'	Total/NA	Solid	8015NM Prep	
880-45989-11	C- 36 8'	Total/NA	Solid	8015NM Prep	
880-45989-12	C-38 8'	Total/NA	Solid	8015NM Prep	
880-45989-13	C-39 8'	Total/NA	Solid	8015NM Prep	
880-45989-14	C-40 8'	Total/NA	Solid	8015NM Prep	
880-45989-15	C-43 6'	Total/NA	Solid	8015NM Prep	
880-45989-16	C-44 6'	Total/NA	Solid	8015NM Prep	
880-45989-17	C-14 8'	Total/NA	Solid	8015NM Prep	
MB 880-85762/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-85762/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-85762/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45989-1 MS	C-5 9'	Total/NA	Solid	8015NM Prep	
880-45989-1 MSD	C-5 9'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 85837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-1	C-5 9'	Total/NA	Solid	8015B NM	85762
880-45989-2	C-6 8'	Total/NA	Solid	8015B NM	85762
880-45989-3	C-9 7'	Total/NA	Solid	8015B NM	85762
880-45989-4	C-12 9'	Total/NA	Solid	8015B NM	85762
880-45989-5	C-15 8'	Total/NA	Solid	8015B NM	85762
880-45989-6	C- 16 8'	Total/NA	Solid	8015B NM	85762
880-45989-7	C-17 8'	Total/NA	Solid	8015B NM	85762
880-45989-8	C-19 9'	Total/NA	Solid	8015B NM	85762
880-45989-9	C-20 8'	Total/NA	Solid	8015B NM	85762
880-45989-10	C- 21 9'	Total/NA	Solid	8015B NM	85762
880-45989-11	C- 36 8'	Total/NA	Solid	8015B NM	85762
880-45989-12	C-38 8'	Total/NA	Solid	8015B NM	85762
880-45989-13	C-39 8'	Total/NA	Solid	8015B NM	85762
880-45989-14	C-40 8'	Total/NA	Solid	8015B NM	85762
880-45989-15	C-43 6'	Total/NA	Solid	8015B NM	85762
880-45989-16	C-44 6'	Total/NA	Solid	8015B NM	85762
880-45989-17	C-14 8'	Total/NA	Solid	8015B NM	85762
MB 880-85762/1-A	Method Blank	Total/NA	Solid	8015B NM	85762
LCS 880-85762/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	85762
LCSD 880-85762/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	85762
880-45989-1 MS	C-5 9'	Total/NA	Solid	8015B NM	85762
880-45989-1 MSD	C-5 9'	Total/NA	Solid	8015B NM	85762

Analysis Batch: 85989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-1	C-5 9'	Total/NA	Solid	8015 NM	
880-45989-2	C-6 8'	Total/NA	Solid	8015 NM	
880-45989-3	C-9 7'	Total/NA	Solid	8015 NM	
880-45989-4	C-12 9'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

GC Semi VOA (Continued)

Analysis Batch: 85989 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-5	C-15 8'	Total/NA	Solid	8015 NM	
880-45989-6	C- 16 8'	Total/NA	Solid	8015 NM	
880-45989-7	C-17 8'	Total/NA	Solid	8015 NM	
880-45989-8	C-19 9'	Total/NA	Solid	8015 NM	
880-45989-9	C-20 8'	Total/NA	Solid	8015 NM	
880-45989-10	C- 21 9'	Total/NA	Solid	8015 NM	
880-45989-11	C- 36 8'	Total/NA	Solid	8015 NM	
880-45989-12	C-38 8'	Total/NA	Solid	8015 NM	
880-45989-13	C-39 8'	Total/NA	Solid	8015 NM	
880-45989-14	C-40 8'	Total/NA	Solid	8015 NM	
880-45989-15	C-43 6'	Total/NA	Solid	8015 NM	
880-45989-16	C-44 6'	Total/NA	Solid	8015 NM	
880-45989-17	C-14 8'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 85882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-1	C-5 9'	Soluble	Solid	DI Leach	
880-45989-2	C-6 8'	Soluble	Solid	DI Leach	
880-45989-3	C-9 7'	Soluble	Solid	DI Leach	
880-45989-4	C-12 9'	Soluble	Solid	DI Leach	
880-45989-5	C-15 8'	Soluble	Solid	DI Leach	
880-45989-6	C- 16 8'	Soluble	Solid	DI Leach	
880-45989-7	C-17 8'	Soluble	Solid	DI Leach	
880-45989-8	C-19 9'	Soluble	Solid	DI Leach	
880-45989-9	C-20 8'	Soluble	Solid	DI Leach	
880-45989-10	C- 21 9'	Soluble	Solid	DI Leach	
880-45989-11	C- 36 8'	Soluble	Solid	DI Leach	
880-45989-12	C-38 8'	Soluble	Solid	DI Leach	
880-45989-13	C-39 8'	Soluble	Solid	DI Leach	
880-45989-14	C-40 8'	Soluble	Solid	DI Leach	
880-45989-15	C-43 6'	Soluble	Solid	DI Leach	
880-45989-16	C-44 6'	Soluble	Solid	DI Leach	
880-45989-17	C-14 8'	Soluble	Solid	DI Leach	
MB 880-85882/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-85882/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-85882/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45989-1 MS	C-5 9'	Soluble	Solid	DI Leach	
880-45989-1 MSD	C-5 9'	Soluble	Solid	DI Leach	
880-45989-11 MS	C- 36 8'	Soluble	Solid	DI Leach	
880-45989-11 MSD	C- 36 8'	Soluble	Solid	DI Leach	

Analysis Batch: 85950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-1	C-5 9'	Soluble	Solid	300.0	85882
880-45989-2	C-6 8'	Soluble	Solid	300.0	85882
880-45989-3	C-9 7'	Soluble	Solid	300.0	85882
880-45989-4	C-12 9'	Soluble	Solid	300.0	85882
880-45989-5	C-15 8'	Soluble	Solid	300.0	85882
880-45989-6	C- 16 8'	Soluble	Solid	300.0	85882

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

HPLC/IC (Continued)

Analysis Batch: 85950 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45989-7	C-17 8'	Soluble	Solid	300.0	85882
880-45989-8	C-19 9'	Soluble	Solid	300.0	85882
880-45989-9	C-20 8'	Soluble	Solid	300.0	85882
880-45989-10	C- 21 9'	Soluble	Solid	300.0	85882
880-45989-11	C- 36 8'	Soluble	Solid	300.0	85882
880-45989-12	C-38 8'	Soluble	Solid	300.0	85882
880-45989-13	C-39 8'	Soluble	Solid	300.0	85882
880-45989-14	C-40 8'	Soluble	Solid	300.0	85882
880-45989-15	C-43 6'	Soluble	Solid	300.0	85882
880-45989-16	C-44 6'	Soluble	Solid	300.0	85882
880-45989-17	C-14 8'	Soluble	Solid	300.0	85882
MB 880-85882/1-A	Method Blank	Soluble	Solid	300.0	85882
LCS 880-85882/2-A	Lab Control Sample	Soluble	Solid	300.0	85882
LCSD 880-85882/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	85882
880-45989-1 MS	C-5 9'	Soluble	Solid	300.0	85882
880-45989-1 MSD	C-5 9'	Soluble	Solid	300.0	85882
880-45989-11 MS	C- 36 8'	Soluble	Solid	300.0	85882
880-45989-11 MSD	C- 36 8'	Soluble	Solid	300.0	85882

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-5 9'
Date Collected: 07/12/24 11:25
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-1
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			4.97 g	5 mL	85713	07/15/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85657	07/15/24 17:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/15/24 17:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/16/24 23:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/16/24 23:25	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 04:56	CH	EET MID

Client Sample ID: C-6 8'
Date Collected: 07/12/24 10:53
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-2
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			4.95 g	5 mL	85713	07/15/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85657	07/15/24 17:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/15/24 17:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 00:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 00:14	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 05:12	CH	EET MID

Client Sample ID: C-9 7'
Date Collected: 07/12/24 11:32
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-3
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			5.02 g	5 mL	85713	07/15/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85657	07/15/24 19:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/15/24 19:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 00:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 00:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 05:17	CH	EET MID

Client Sample ID: C-12 9'
Date Collected: 07/12/24 11:34
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-4
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	85713	07/15/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85657	07/15/24 20:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/15/24 20:15	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-12 9'
Date Collected: 07/12/24 11:34
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-4
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			85989	07/17/24 00:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 00:47	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 05:22	CH	EET MID

Client Sample ID: C-15 8'
Date Collected: 07/12/24 10:40
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-5
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	85713	07/15/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85657	07/15/24 20:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/15/24 20:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 01:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 01:03	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 05:28	CH	EET MID

Client Sample ID: C- 16 8'
Date Collected: 07/12/24 10:43
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-6
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	85713	07/15/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85657	07/15/24 20:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/15/24 20:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 01:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 01:20	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 05:43	CH	EET MID

Client Sample ID: C-17 8'
Date Collected: 07/12/24 10:44
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-7
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			5.02 g	5 mL	85713	07/15/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85657	07/15/24 21:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/15/24 21:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 01:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 01:36	TKC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-17 8'
Date Collected: 07/12/24 10:44
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 05:49	CH	EET MID

Client Sample ID: C-19 9'
Date Collected: 07/12/24 11:45
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-8
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			5.03 g	5 mL	85713	07/15/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85657	07/15/24 21:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/15/24 21:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 01:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 01:51	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 05:54	CH	EET MID

Client Sample ID: C-20 8'
Date Collected: 07/12/24 10:56
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-9
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	85799	07/16/24 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85798	07/16/24 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/16/24 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 02:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 02:09	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 05:59	CH	EET MID

Client Sample ID: C- 21 9'
Date Collected: 07/12/24 12:00
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	85799	07/16/24 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85798	07/16/24 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/16/24 13:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 02:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 02:25	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 06:04	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C- 36 8'
Date Collected: 07/12/24 10:45
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-11
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	85799	07/16/24 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85798	07/16/24 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/16/24 13:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 02:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 02:57	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 06:09	CH	EET MID

Client Sample ID: C-38 8'
Date Collected: 07/12/24 10:46
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-12
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	85799	07/16/24 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85798	07/16/24 14:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/16/24 14:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 03:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 03:13	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 06:25	CH	EET MID

Client Sample ID: C-39 8'
Date Collected: 07/12/24 10:50
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	85800	07/16/24 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85801	07/16/24 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/16/24 12:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 03:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 03:29	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 06:30	CH	EET MID

Client Sample ID: C-40 8'
Date Collected: 07/12/24 10:52
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-14
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			4.99 g	5 mL	85800	07/16/24 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85801	07/16/24 17:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/16/24 17:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-40 8'
Date Collected: 07/12/24 10:52
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-14
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			85989	07/17/24 03:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 03:45	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 06:46	CH	EET MID

Client Sample ID: C-43 6'
Date Collected: 07/12/24 10:57
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	85800	07/16/24 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85801	07/16/24 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/16/24 13:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 04:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 04:03	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 06:52	CH	EET MID

Client Sample ID: C-44 6'
Date Collected: 07/12/24 10:59
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-16
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			5.02 g	5 mL	85800	07/16/24 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85801	07/16/24 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/16/24 13:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 04:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 04:18	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 06:57	CH	EET MID

Client Sample ID: C-14 8'
Date Collected: 07/12/24 11:40
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-17
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			5.03 g	5 mL	85800	07/16/24 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85801	07/16/24 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85866	07/16/24 13:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			85989	07/17/24 04:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	85762	07/15/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85837	07/17/24 04:35	TKC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Client Sample ID: C-14 8'

Date Collected: 07/12/24 11:40
Date Received: 07/15/24 14:50

Lab Sample ID: 880-45989-17

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			4.95 g	50 mL	85882	07/16/24 13:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85950	07/18/24 07:02	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-45989-1
Project/Site: Pony Riser SDG: 23-0105-04

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

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: Pony Riser

Job ID: 880-45989-1
SDG: 23-0105-04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-45989-1	C-5 9'	Solid	07/12/24 11:25	07/15/24 14:50
880-45989-2	C-6 8'	Solid	07/12/24 10:53	07/15/24 14:50
880-45989-3	C-9 7'	Solid	07/12/24 11:32	07/15/24 14:50
880-45989-4	C-12 9'	Solid	07/12/24 11:34	07/15/24 14:50
880-45989-5	C-15 8'	Solid	07/12/24 10:40	07/15/24 14:50
880-45989-6	C- 16 8'	Solid	07/12/24 10:43	07/15/24 14:50
880-45989-7	C-17 8'	Solid	07/12/24 10:44	07/15/24 14:50
880-45989-8	C-19 9'	Solid	07/12/24 11:45	07/15/24 14:50
880-45989-9	C-20 8'	Solid	07/12/24 10:56	07/15/24 14:50
880-45989-10	C- 21 9'	Solid	07/12/24 12:00	07/15/24 14:50
880-45989-11	C- 36 8'	Solid	07/12/24 10:45	07/15/24 14:50
880-45989-12	C-38 8'	Solid	07/12/24 10:46	07/15/24 14:50
880-45989-13	C-39 8'	Solid	07/12/24 10:50	07/15/24 14:50
880-45989-14	C-40 8'	Solid	07/12/24 10:52	07/15/24 14:50
880-45989-15	C-43 6'	Solid	07/12/24 10:57	07/15/24 14:50
880-45989-16	C-44 6'	Solid	07/12/24 10:59	07/15/24 14:50
880-45989-17	C-14 8'	Solid	07/12/24 11:40	07/15/24 14:50

45989

No. 2357

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: 7/15/24 PAGE 1 OF 2

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Pony Riser

LAI PROJECT #: 23-0105-04 COLLECTOR: DSG

TRRP report? ☐ Yes ☒ No

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

TIME ZONE: Time zone/State: MNT / NM

Field Sample I.D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1005 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D.W. 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	CYANIDE ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-5 9'		7/12	10:25	S	1				X		X		X	X	X																										X			
C-6 8'		"	10:53	"	1																																							
C-9 7'		"	11:32	"	1																																							
C-12 9'		"	11:34	"	1																																							
C-15 8'		"	10:40	"	1																																							
C-16 8'		"	10:43	"	1																																							
C-17 8'		"	10:44	"	1																																							
C-19 9'		"	11:45	"	1																																							
C-20 8'		"	10:56	"	1																																							
C-21 9'		"	12:00	"	1																																							
C-36 8'		"	10:45	"	1																																							
C-38 8'		"	10:46	"	1																																							
C-39 8'		"	10:50	"	1																																							
C-40 8'		"	10:52	"	1																																							
C-43 6'		"	10:57	"	1																																							
TOTAL 15																																													

RELINQUISHED BY: (Signature) DATE/TIME 7/15 2:50 RECEIVED BY: (Signature)

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

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

LABORATORY: Eurofins

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

LABORATORY USE ONLY:
RECEIVING TEMP 1.3/1.2 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

880-45989 Chain of Custody

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Received by OCD: 11/14/2024 4:51:29 PM
8/1/2024 (Rev. 1)
Released to Imaging: 3/4/2025 10:16:12 AM

Page 478 of 634

45984

No. 2358

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: 7/15/24 PAGE 2 OF 2

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Pony Riser

LAI PROJECT #: 23-0105-04 COLLECTOR: DSG

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State: MNT/NM

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH	ICE	UNPRESERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	CYANIDE ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDES ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-44 6'		7/12	10:59	S	1				X		X			X	X	X																								X			
C-44 8'		7/12	11:40	S	1				X		X			X	X	X																								X			

TOTAL 2

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
	7/15 2:30	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: Eurofins

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

LABORATORY USE ONLY:
RECEIVING TEMP 1.3/1.2 THERM# IR6
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

8/1/2024 (Rev. 1)
Received by OCD: 11/14/2024 4:51:29 PM
Released to Imaging: 3/4/2025 10:16:12 AM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-45989-1
SDG Number: 23-0105-04

Login Number: 45989
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/22/2024 3:49:24 PM

JOB DESCRIPTION

Pony Riser
23-0105-04

JOB NUMBER

880-46137-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 3/4/2025 10:16:12 AM

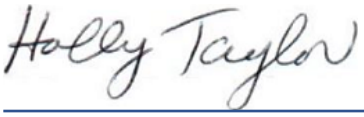
Eurofins Midland

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
7/22/2024 3:49:24 PM

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

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Laboratory Job ID: 880-46137-1
SDG: 23-0105-04

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Sample Summary 38
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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project/Site: Pony Riser SDG: 23-0105-04

Qualifiers

GC 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.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project: Pony Riser

Job ID: 880-46137-1 Eurofins Midland

Job Narrative
880-46137-1

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

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

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

Receipt
The samples were received on 7/17/2024 1:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 8.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-7 10' (880-46137-1), C-35 7' (880-46137-2), C- 47 6' (880-46137-3), C-71 6' (880-46137-4), C-72 6' (880-46137-5), SW-16 4.1-7' (880-46137-6), SW-15 4.1-6' (880-46137-7), C-70 6' (880-46137-8), C-8 13' (880-46137-9), C-18 11' (880-46137-10), C-24 7' (880-46137-11), C-26 7' (880-46137-12), C-27 7' (880-46137-13), C-30 7' (880-46137-14), C-31 7' (880-46137-15), C-32 7' (880-46137-16) and C-33 7' (880-46137-17).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-46137-A-1-B MS). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-86017 and analytical batch 880-86022 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Diesel Range Organics
Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: C- 47 6' (880-46137-3), C-71 6' (880-46137-4), SW-16 4.1-7' (880-46137-6), SW-15 4.1-6' (880-46137-7), C-70 6' (880-46137-8), C-8 13' (880-46137-9), C-18 11' (880-46137-10), C-24 7' (880-46137-11), C-26 7' (880-46137-12), C-27 7' (880-46137-13), C-30 7' (880-46137-14), C-32 7' (880-46137-16), (CCV 880-86107/21) and (CCV 880-86107/32). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-7 10' (880-46137-1). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-35 7' (880-46137-2), C-31 7' (880-46137-15) and (885-8106-A-42-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-86007 and analytical batch 880-86107 was outside the upper control limits.

Method 8015MOD_NM: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 880-86007 and analytical batch 880-86107 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-86107 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). 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 880-86107/6).

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (CCV

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project: Pony Riser

Job ID: 880-46137-1 (Continued) Eurofins Midland

880-86152/6) and (890-6942-A-1-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-33 7' (880-46137-17), (CCV 880-86152/31), (890-6942-A-1-B MS) and (890-6942-A-1-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 880-86109 and analytical batch 880-86152 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-86152 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-86152/21).

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: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-7 10'

Date Collected: 07/15/24 09:45
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/18/24 07:59	07/18/24 11:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/18/24 07:59	07/18/24 11:48	1
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		07/18/24 07:59	07/18/24 11:48	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/18/24 07:59	07/18/24 11:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/18/24 07:59	07/18/24 11:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/18/24 07:59	07/18/24 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/18/24 07:59*	*07/18/24 11:48*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/18/24 07:59*	*07/18/24 11:48*	*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			07/18/24 11:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/18/24 20:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/17/24 17:02	07/18/24 20:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		07/17/24 17:02	07/18/24 20:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/17/24 17:02	07/18/24 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*123*		*70 - 130*	*07/17/24 17:02*	*07/18/24 20:51*	*1*
o-Terphenyl (Surr)	*141*	*S1+*	*70 - 130*	*07/17/24 17:02*	*07/18/24 20:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.1**		4.98		mg/Kg			07/20/24 01:35	1

Client Sample ID: C-35 7'

Date Collected: 07/15/24 10:00
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/18/24 07:59	07/18/24 12:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/18/24 07:59	07/18/24 12:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/18/24 07:59	07/18/24 12:08	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/18/24 07:59	07/18/24 12:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/18/24 07:59	07/18/24 12:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/18/24 07:59	07/18/24 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/18/24 07:59*	*07/18/24 12:08*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/18/24 07:59*	*07/18/24 12:08*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-35 7'

Date Collected: 07/15/24 10:00
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/18/24 12:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/18/24 21:06	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	<49.9	U	49.9		mg/Kg		07/17/24 17:02	07/18/24 21:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		07/17/24 17:02	07/18/24 21:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/17/24 17:02	07/18/24 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*60*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 21:06*	*1*
o-Terphenyl (Surr)	*70*		*70 - 130*	*07/17/24 17:02*	*07/18/24 21:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.5**		5.02		mg/Kg			07/20/24 01:42	1

Client Sample ID: C- 47 6'

Date Collected: 07/15/24 10:09
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 12:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 12:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 12:28	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/18/24 07:59	07/18/24 12:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 12:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/18/24 07:59	07/18/24 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/18/24 07:59*	*07/18/24 12:28*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/18/24 07:59*	*07/18/24 12:28*	*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			07/18/24 12:28	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			07/18/24 21:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/17/24 17:02	07/18/24 21:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		07/17/24 17:02	07/18/24 21:21	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C- 47 6'
Lab Sample ID: 880-46137-3
Date Collected: 07/15/24 10:09 **Matrix: Solid**
Date Received: 07/17/24 13:50

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		07/17/24 17:02	07/18/24 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*47*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 21:21*	*1*
o-Terphenyl (Surr)	*55*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 21:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			07/20/24 01:49	1

Client Sample ID: C-71 6'
Lab Sample ID: 880-46137-4
Date Collected: 07/15/24 10:23 **Matrix: Solid**
Date Received: 07/17/24 13:50

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		07/18/24 07:59	07/18/24 12:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 12:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 12:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/18/24 07:59	07/18/24 12:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 12:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/24 07:59	07/18/24 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*07/18/24 07:59*	*07/18/24 12:49*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/18/24 07:59*	*07/18/24 12:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/18/24 12:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/18/24 21:36	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	<49.7	U	49.7		mg/Kg		07/17/24 17:02	07/18/24 21:36	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		07/17/24 17:02	07/18/24 21:36	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/17/24 17:02	07/18/24 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*55*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 21:36*	*1*
o-Terphenyl (Surr)	*63*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 21:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.5**		4.97		mg/Kg			07/20/24 02:09	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-72 6'

Date Collected: 07/15/24 10:32
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-5
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		07/18/24 07:59	07/18/24 13:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 13:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 13:09	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/18/24 07:59	07/18/24 13:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 13:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/18/24 07:59	07/18/24 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/18/24 07:59*	*07/18/24 13:09*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*07/18/24 07:59*	*07/18/24 13:09*	*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			07/18/24 13:09	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			07/18/24 21:51	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	<49.7	U	49.7		mg/Kg		07/17/24 17:02	07/18/24 21:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		07/17/24 17:02	07/18/24 21:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/17/24 17:02	07/18/24 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*07/17/24 17:02*	*07/18/24 21:51*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*07/17/24 17:02*	*07/18/24 21:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.2**		5.01		mg/Kg			07/20/24 02:16	1

Client Sample ID: SW-16 4.1-7'

Date Collected: 07/15/24 12:06
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 13:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 13:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 13:30	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/18/24 07:59	07/18/24 13:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 13:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/24 07:59	07/18/24 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/18/24 07:59*	*07/18/24 13:30*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/18/24 07:59*	*07/18/24 13:30*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: SW-16 4.1-7' Lab Sample ID: 880-46137-6

Date Collected: 07/15/24 12:06 **Matrix: Solid**
Date Received: 07/17/24 13:50

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			07/18/24 13:30	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			07/18/24 22:06	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	<49.7	U	49.7		mg/Kg		07/17/24 17:02	07/18/24 22:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		07/17/24 17:02	07/18/24 22:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/17/24 17:02	07/18/24 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*175*	*S1+*	*70 - 130*	*07/17/24 17:02*	*07/18/24 22:06*	*1*
o-Terphenyl (Surr)	*197*	*S1+*	*70 - 130*	*07/17/24 17:02*	*07/18/24 22:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.4**		4.99		mg/Kg			07/20/24 02:23	1

Client Sample ID: SW-15 4.1-6' Lab Sample ID: 880-46137-7

Date Collected: 07/15/24 12:24 **Matrix: Solid**
Date Received: 07/17/24 13:50

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		07/18/24 07:59	07/18/24 13:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/18/24 07:59	07/18/24 13:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/18/24 07:59	07/18/24 13:50	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/18/24 07:59	07/18/24 13:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/18/24 07:59	07/18/24 13:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/18/24 07:59	07/18/24 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/18/24 07:59*	*07/18/24 13:50*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/18/24 07:59*	*07/18/24 13:50*	*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			07/18/24 13:50	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			07/18/24 22:36	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		07/17/24 17:02	07/18/24 22:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		07/17/24 17:02	07/18/24 22:36	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: SW-15 4.1-6'

Date Collected: 07/15/24 12:24
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-7
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)	<49.8	U	49.8		mg/Kg		07/17/24 17:02	07/18/24 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*51*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 22:36*	*1*
o-Terphenyl (Surr)	*58*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 22:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.1**		4.98		mg/Kg			07/20/24 02:29	1

Client Sample ID: C-70 6'

Date Collected: 07/15/24 10:15
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-8
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		07/18/24 07:59	07/18/24 14:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/18/24 07:59	07/18/24 14:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/18/24 07:59	07/18/24 14:10	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/18/24 07:59	07/18/24 14:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/18/24 07:59	07/18/24 14:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/18/24 07:59	07/18/24 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/18/24 07:59*	*07/18/24 14:10*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/18/24 07:59*	*07/18/24 14:10*	*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			07/18/24 14:10	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			07/18/24 22:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/17/24 17:02	07/18/24 22:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		07/17/24 17:02	07/18/24 22:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/17/24 17:02	07/18/24 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*48*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 22:51*	*1*
o-Terphenyl (Surr)	*55*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 22:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.5**		5.02		mg/Kg			07/20/24 02:36	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-8 13'

Date Collected: 07/16/24 10:12
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/18/24 07:59	07/18/24 14:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/24 07:59	07/18/24 14:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/24 07:59	07/18/24 14:31	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/18/24 07:59	07/18/24 14:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/24 07:59	07/18/24 14:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/24 07:59	07/18/24 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*07/18/24 07:59*	*07/18/24 14:31*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/18/24 07:59*	*07/18/24 14:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/18/24 14:31	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/18/24 23:06	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	<50.0	U	50.0		mg/Kg		07/17/24 17:02	07/18/24 23:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		07/17/24 17:02	07/18/24 23:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/17/24 17:02	07/18/24 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*56*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 23:06*	*1*
o-Terphenyl (Surr)	*64*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 23:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.5**		4.98		mg/Kg			07/20/24 02:43	1

Client Sample ID: C-18 11'

Date Collected: 07/16/24 10:05
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-10
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		07/18/24 07:59	07/18/24 14:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/18/24 07:59	07/18/24 14:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/18/24 07:59	07/18/24 14:51	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		07/18/24 07:59	07/18/24 14:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/18/24 07:59	07/18/24 14:51	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/18/24 07:59	07/18/24 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/18/24 07:59*	*07/18/24 14:51*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/18/24 07:59*	*07/18/24 14:51*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-18 11'
Lab Sample ID: 880-46137-10
Date Collected: 07/16/24 10:05 **Matrix: Solid**
Date Received: 07/17/24 13:50

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			07/18/24 14:51	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			07/18/24 23:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/17/24 17:02	07/18/24 23:20	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		07/17/24 17:02	07/18/24 23:20	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/17/24 17:02	07/18/24 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*56*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 23:20*	*1*
o-Terphenyl (Surr)	*65*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 23:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**182**		4.95		mg/Kg			07/20/24 03:04	1

Client Sample ID: C-24 7'
Lab Sample ID: 880-46137-11
Date Collected: 07/16/24 11:31 **Matrix: Solid**
Date Received: 07/17/24 13:50

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		07/18/24 07:59	07/18/24 16:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 16:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 16:25	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/18/24 07:59	07/18/24 16:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 16:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/24 07:59	07/18/24 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/18/24 07:59*	*07/18/24 16:25*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/18/24 07:59*	*07/18/24 16:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/18/24 16:25	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			07/18/24 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	<49.7	U	49.7		mg/Kg		07/17/24 17:02	07/18/24 23:36	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		07/17/24 17:02	07/18/24 23:36	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-24 7'

Date Collected: 07/16/24 11:31
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-11
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		07/17/24 17:02	07/18/24 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*56*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 23:36*	*1*
o-Terphenyl (Surr)	*65*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 23:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**221**		5.04		mg/Kg			07/20/24 03:10	1

Client Sample ID: C-26 7'

Date Collected: 07/16/24 11:33
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-12
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		07/18/24 07:59	07/18/24 16:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 16:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 16:46	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/18/24 07:59	07/18/24 16:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 16:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/18/24 07:59	07/18/24 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/18/24 07:59*	*07/18/24 16:46*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/18/24 07:59*	*07/18/24 16:46*	*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			07/18/24 16:46	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			07/18/24 23:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/17/24 17:02	07/18/24 23:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		07/17/24 17:02	07/18/24 23:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/17/24 17:02	07/18/24 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*52*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 23:50*	*1*
o-Terphenyl (Surr)	*61*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/18/24 23:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**239**		4.99		mg/Kg			07/20/24 03:31	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-27 7'

Date Collected: 07/16/24 11:35
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/18/24 07:59	07/18/24 17:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/18/24 07:59	07/18/24 17:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/18/24 07:59	07/18/24 17:06	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/18/24 07:59	07/18/24 17:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/18/24 07:59	07/18/24 17:06	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/18/24 07:59	07/18/24 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*07/18/24 07:59*	*07/18/24 17:06*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/18/24 07:59*	*07/18/24 17:06*	*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			07/18/24 17:06	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			07/19/24 00:07	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/17/24 17:02	07/19/24 00:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		07/17/24 17:02	07/19/24 00:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/17/24 17:02	07/19/24 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*49*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/19/24 00:07*	*1*
o-Terphenyl (Surr)	*57*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/19/24 00:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**222**		4.98		mg/Kg			07/20/24 03:38	1

Client Sample ID: C-30 7'

Date Collected: 07/16/24 11:38
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-14
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		07/18/24 07:59	07/18/24 17:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/18/24 07:59	07/18/24 17:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/18/24 07:59	07/18/24 17:27	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/18/24 07:59	07/18/24 17:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/18/24 07:59	07/18/24 17:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/18/24 07:59	07/18/24 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/18/24 07:59*	*07/18/24 17:27*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/18/24 07:59*	*07/18/24 17:27*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: C-30 7'
Lab Sample ID: 880-46137-14
Date Collected: 07/16/24 11:38 **Matrix: Solid**
Date Received: 07/17/24 13:50

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			07/18/24 17:27	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			07/19/24 00:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/17/24 17:02	07/19/24 00:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		07/17/24 17:02	07/19/24 00:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/17/24 17:02	07/19/24 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*49*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/19/24 00:21*	*1*
o-Terphenyl (Surr)	*58*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/19/24 00:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**376**		4.97		mg/Kg			07/20/24 03:44	1

Client Sample ID: C-31 7'
Lab Sample ID: 880-46137-15
Date Collected: 07/16/24 11:44 **Matrix: Solid**
Date Received: 07/17/24 13:50

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		07/18/24 07:59	07/18/24 17:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 17:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 17:47	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/18/24 07:59	07/18/24 17:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 17:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/24 07:59	07/18/24 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/18/24 07:59*	*07/18/24 17:47*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/18/24 07:59*	*07/18/24 17:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/18/24 17:47	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			07/19/24 00:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/17/24 17:02	07/19/24 00:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		07/17/24 17:02	07/19/24 00:38	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-31 7'

Date Collected: 07/16/24 11:44
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-15
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)	<49.9	U	49.9		mg/Kg		07/17/24 17:02	07/19/24 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*61*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/19/24 00:38*	*1*
o-Terphenyl (Surr)	*70*		*70 - 130*	*07/17/24 17:02*	*07/19/24 00:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**307**		5.03		mg/Kg			07/20/24 03:51	1

Client Sample ID: C-32 7'

Date Collected: 07/16/24 11:43
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/18/24 07:59	07/18/24 18:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/24 07:59	07/18/24 18:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/24 07:59	07/18/24 18:07	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/18/24 07:59	07/18/24 18:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/24 07:59	07/18/24 18:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/24 07:59	07/18/24 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/18/24 07:59*	*07/18/24 18:07*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/18/24 07:59*	*07/18/24 18:07*	*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			07/18/24 18:07	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/19/24 00:52	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		07/17/24 17:02	07/19/24 00:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		07/17/24 17:02	07/19/24 00:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/17/24 17:02	07/19/24 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*49*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/19/24 00:52*	*1*
o-Terphenyl (Surr)	*57*	*S1-*	*70 - 130*	*07/17/24 17:02*	*07/19/24 00:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**578**		5.00		mg/Kg			07/20/24 03:58	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-33 7'

Date Collected: 07/16/24 11:47
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-17

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		07/18/24 07:59	07/18/24 18:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/18/24 07:59	07/18/24 18:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/18/24 07:59	07/18/24 18:28	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		07/18/24 07:59	07/18/24 18:28	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/18/24 07:59	07/18/24 18:28	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/18/24 07:59	07/18/24 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/18/24 07:59*	*07/18/24 18:28*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/18/24 07:59*	*07/18/24 18:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/18/24 18:28	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			07/19/24 20:57	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	<50.1	U	50.1		mg/Kg		07/18/24 16:50	07/19/24 20:57	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		07/18/24 16:50	07/19/24 20:57	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/18/24 16:50	07/19/24 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*07/18/24 16:50*	*07/19/24 20:57*	*1*
o-Terphenyl (Surr)	*61*	*S1-*	*70 - 130*	*07/18/24 16:50*	*07/19/24 20:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**441**		4.96		mg/Kg			07/20/24 04:05	1

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project/Site: Pony Riser SDG: 23-0105-04

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)										
880-46137-1	C-7 10'	111	97										
880-46137-1 MS	C-7 10'	131 S1+	96										
880-46137-1 MSD	C-7 10'	98	97										
880-46137-2	C-35 7'	109	94										
880-46137-3	C- 47 6'	110	93										
880-46137-4	C-71 6'	116	94										
880-46137-5	C-72 6'	111	95										
880-46137-6	SW-16 4.1-7'	109	93										
880-46137-7	SW-15 4.1-6'	108	92										
880-46137-8	C-70 6'	111	94										
880-46137-9	C-8 13'	116	92										
880-46137-10	C-18 11'	115	93										
880-46137-11	C-24 7'	107	94										
880-46137-12	C-26 7'	109	94										
880-46137-13	C-27 7'	107	94										
880-46137-14	C-30 7'	108	93										
880-46137-15	C-31 7'	113	92										
880-46137-16	C-32 7'	115	93										
880-46137-17	C-33 7'	108	94										
LCS 880-86017/1-A	Lab Control Sample	102	94										
LCSD 880-86017/2-A	Lab Control Sample Dup	101	97										
MB 880-86017/5-A	Method Blank	101	85										

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)										
880-46137-1	C-7 10'	123	141 S1+										
880-46137-2	C-35 7'	60 S1-	70										
880-46137-3	C- 47 6'	47 S1-	55 S1-										
880-46137-4	C-71 6'	55 S1-	63 S1-										
880-46137-5	C-72 6'	102	119										
880-46137-6	SW-16 4.1-7'	175 S1+	197 S1+										
880-46137-7	SW-15 4.1-6'	51 S1-	58 S1-										
880-46137-8	C-70 6'	48 S1-	55 S1-										
880-46137-9	C-8 13'	56 S1-	64 S1-										
880-46137-10	C-18 11'	56 S1-	65 S1-										
880-46137-11	C-24 7'	56 S1-	65 S1-										
880-46137-12	C-26 7'	52 S1-	61 S1-										
880-46137-13	C-27 7'	49 S1-	57 S1-										
880-46137-14	C-30 7'	49 S1-	58 S1-										
880-46137-15	C-31 7'	61 S1-	70										
880-46137-16	C-32 7'	49 S1-	57 S1-										
880-46137-17	C-33 7'	70	61 S1-										

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project/Site: Pony Riser SDG: 23-0105-04

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCS 880-86007/2-A	Lab Control Sample	97	103								
LCS 880-86109/2-A	Lab Control Sample	83	70								
LCSD 880-86007/3-A	Lab Control Sample Dup	117	121								
LCSD 880-86109/3-A	Lab Control Sample Dup	125	107								
MB 880-86007/1-A	Method Blank	109	136 S1+								
MB 880-86109/1-A	Method Blank	116	112								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86017/5-A
Matrix: Solid
Analysis Batch: 86022

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86017

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 11:26	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/18/24 07:59	07/18/24 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/24 07:59	07/18/24 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/24 07:59	07/18/24 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*07/18/24 07:59*	*07/18/24 11:26*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/18/24 07:59*	*07/18/24 11:26*	*1*

Lab Sample ID: LCS 880-86017/1-A
Matrix: Solid
Analysis Batch: 86022

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86017

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1056		mg/Kg		106	70 - 130		
Toluene			0.100	0.09857		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.1075		mg/Kg		107	70 - 130		
m,p-Xylenes			0.200	0.2003		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.1027		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-86017/2-A
Matrix: Solid
Analysis Batch: 86022

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86017

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1121		mg/Kg		112	70 - 130	6	35
Toluene			0.100	0.1020		mg/Kg		102	70 - 130	3	35
Ethylbenzene			0.100	0.1108		mg/Kg		111	70 - 130	3	35
m,p-Xylenes			0.200	0.2068		mg/Kg		103	70 - 130	3	35
o-Xylene			0.100	0.1056		mg/Kg		106	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-46137-1 MS
Matrix: Solid
Analysis Batch: 86022

Client Sample ID: C-7 10'
Prep Type: Total/NA
Prep Batch: 86017

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U	0.100	0.1095		mg/Kg		109	70 - 130		
Toluene	<0.00202	U	0.100	0.1157		mg/Kg		116	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project/Site: Pony Riser SDG: 23-0105-04

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

Lab Sample ID: 880-46137-1 MS **Client Sample ID: C-7 10'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 86022 **Prep Batch: 86017**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U F1	0.100	0.1341	F1	mg/Kg		134	70 - 130
m,p-Xylenes	<0.00404	U	0.200	0.2594		mg/Kg		130	70 - 130
o-Xylene	<0.00202	U	0.100	0.1291		mg/Kg		129	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-46137-1 MSD **Client Sample ID: C-7 10'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 86022 **Prep Batch: 86017**

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	0.1093		mg/Kg		109	70 - 130	0	35
Toluene	<0.00202	U	0.100	0.09980		mg/Kg		100	70 - 130	15	35
Ethylbenzene	<0.00202	U F1	0.100	0.1087		mg/Kg		109	70 - 130	21	35
m,p-Xylenes	<0.00404	U	0.200	0.2026		mg/Kg		101	70 - 130	25	35
o-Xylene	<0.00202	U	0.100	0.1039		mg/Kg		104	70 - 130	22	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 880-86007/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 86107 **Prep Batch: 86007**

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		07/17/24 17:01	07/18/24 10:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/17/24 17:01	07/18/24 10:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/17/24 17:01	07/18/24 10:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*07/17/24 17:01*	*07/18/24 10:08*	*1*
o-Terphenyl (Surr)	*136*	*S1+*	*70 - 130*	*07/17/24 17:01*	*07/18/24 10:08*	*1*

Lab Sample ID: LCS 880-86007/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 86107 **Prep Batch: 86007**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	831.3		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)			1000	893.5		mg/Kg		89	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

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

Lab Sample ID: LCS 880-86007/2-A
Matrix: Solid
Analysis Batch: 86107

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86007

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-86007/3-A
Matrix: Solid
Analysis Batch: 86107

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86007

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	981.0		mg/Kg		98	70 - 130	17	20
Diesel Range Organics (Over C10-C28)			1000	1099	*1	mg/Kg		110	70 - 130	21	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	121		70 - 130

Lab Sample ID: MB 880-86109/1-A
Matrix: Solid
Analysis Batch: 86152

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86109

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		07/18/24 16:50	07/19/24 10:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/18/24 16:50	07/19/24 10:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/18/24 16:50	07/19/24 10:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130	07/18/24 16:50	07/19/24 10:39	1
o-Terphenyl (Surr)	112		70 - 130	07/18/24 16:50	07/19/24 10:39	1

Lab Sample ID: LCS 880-86109/2-A
Matrix: Solid
Analysis Batch: 86152

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86109

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	894.0		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	726.9		mg/Kg		73	70 - 130		

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

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

Lab Sample ID: LCSD 880-86109/3-A
Matrix: Solid
Analysis Batch: 86152

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86109

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	979.1		mg/Kg		98	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	1084	*1	mg/Kg		108	70 - 130	39	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*125*		*70 - 130*
o-Terphenyl (Surr)	*107*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86097/1-A
Matrix: Solid
Analysis Batch: 86128

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			07/20/24 00:47	1

Lab Sample ID: LCS 880-86097/2-A
Matrix: Solid
Analysis Batch: 86128

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	231.5		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-86097/3-A
Matrix: Solid
Analysis Batch: 86128

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	232.6		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-46137-9 MS
Matrix: Solid
Analysis Batch: 86128

Client Sample ID: C-8 13'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	55.5		249	284.3		mg/Kg		92	90 - 110		

Lab Sample ID: 880-46137-9 MSD
Matrix: Solid
Analysis Batch: 86128

Client Sample ID: C-8 13'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	55.5		249	287.6		mg/Kg		93	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

GC VOA

Prep Batch: 86017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-1	C-7 10'	Total/NA	Solid	5035	
880-46137-2	C-35 7'	Total/NA	Solid	5035	
880-46137-3	C- 47 6'	Total/NA	Solid	5035	
880-46137-4	C-71 6'	Total/NA	Solid	5035	
880-46137-5	C-72 6'	Total/NA	Solid	5035	
880-46137-6	SW-16 4.1-7'	Total/NA	Solid	5035	
880-46137-7	SW-15 4.1-6'	Total/NA	Solid	5035	
880-46137-8	C-70 6'	Total/NA	Solid	5035	
880-46137-9	C-8 13'	Total/NA	Solid	5035	
880-46137-10	C-18 11'	Total/NA	Solid	5035	
880-46137-11	C-24 7'	Total/NA	Solid	5035	
880-46137-12	C-26 7'	Total/NA	Solid	5035	
880-46137-13	C-27 7'	Total/NA	Solid	5035	
880-46137-14	C-30 7'	Total/NA	Solid	5035	
880-46137-15	C-31 7'	Total/NA	Solid	5035	
880-46137-16	C-32 7'	Total/NA	Solid	5035	
880-46137-17	C-33 7'	Total/NA	Solid	5035	
MB 880-86017/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-86017/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-86017/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46137-1 MS	C-7 10'	Total/NA	Solid	5035	
880-46137-1 MSD	C-7 10'	Total/NA	Solid	5035	

Analysis Batch: 86022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-1	C-7 10'	Total/NA	Solid	8021B	86017
880-46137-2	C-35 7'	Total/NA	Solid	8021B	86017
880-46137-3	C- 47 6'	Total/NA	Solid	8021B	86017
880-46137-4	C-71 6'	Total/NA	Solid	8021B	86017
880-46137-5	C-72 6'	Total/NA	Solid	8021B	86017
880-46137-6	SW-16 4.1-7'	Total/NA	Solid	8021B	86017
880-46137-7	SW-15 4.1-6'	Total/NA	Solid	8021B	86017
880-46137-8	C-70 6'	Total/NA	Solid	8021B	86017
880-46137-9	C-8 13'	Total/NA	Solid	8021B	86017
880-46137-10	C-18 11'	Total/NA	Solid	8021B	86017
880-46137-11	C-24 7'	Total/NA	Solid	8021B	86017
880-46137-12	C-26 7'	Total/NA	Solid	8021B	86017
880-46137-13	C-27 7'	Total/NA	Solid	8021B	86017
880-46137-14	C-30 7'	Total/NA	Solid	8021B	86017
880-46137-15	C-31 7'	Total/NA	Solid	8021B	86017
880-46137-16	C-32 7'	Total/NA	Solid	8021B	86017
880-46137-17	C-33 7'	Total/NA	Solid	8021B	86017
MB 880-86017/5-A	Method Blank	Total/NA	Solid	8021B	86017
LCS 880-86017/1-A	Lab Control Sample	Total/NA	Solid	8021B	86017
LCSD 880-86017/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	86017
880-46137-1 MS	C-7 10'	Total/NA	Solid	8021B	86017
880-46137-1 MSD	C-7 10'	Total/NA	Solid	8021B	86017

Analysis Batch: 86147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-1	C-7 10'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project/Site: Pony Riser SDG: 23-0105-04

GC VOA (Continued)

Analysis Batch: 86147 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-2	C-35 7'	Total/NA	Solid	Total BTEX	
880-46137-3	C- 47 6'	Total/NA	Solid	Total BTEX	
880-46137-4	C-71 6'	Total/NA	Solid	Total BTEX	
880-46137-5	C-72 6'	Total/NA	Solid	Total BTEX	
880-46137-6	SW-16 4.1-7'	Total/NA	Solid	Total BTEX	
880-46137-7	SW-15 4.1-6'	Total/NA	Solid	Total BTEX	
880-46137-8	C-70 6'	Total/NA	Solid	Total BTEX	
880-46137-9	C-8 13'	Total/NA	Solid	Total BTEX	
880-46137-10	C-18 11'	Total/NA	Solid	Total BTEX	
880-46137-11	C-24 7'	Total/NA	Solid	Total BTEX	
880-46137-12	C-26 7'	Total/NA	Solid	Total BTEX	
880-46137-13	C-27 7'	Total/NA	Solid	Total BTEX	
880-46137-14	C-30 7'	Total/NA	Solid	Total BTEX	
880-46137-15	C-31 7'	Total/NA	Solid	Total BTEX	
880-46137-16	C-32 7'	Total/NA	Solid	Total BTEX	
880-46137-17	C-33 7'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 86007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-1	C-7 10'	Total/NA	Solid	8015NM Prep	
880-46137-2	C-35 7'	Total/NA	Solid	8015NM Prep	
880-46137-3	C- 47 6'	Total/NA	Solid	8015NM Prep	
880-46137-4	C-71 6'	Total/NA	Solid	8015NM Prep	
880-46137-5	C-72 6'	Total/NA	Solid	8015NM Prep	
880-46137-6	SW-16 4.1-7'	Total/NA	Solid	8015NM Prep	
880-46137-7	SW-15 4.1-6'	Total/NA	Solid	8015NM Prep	
880-46137-8	C-70 6'	Total/NA	Solid	8015NM Prep	
880-46137-9	C-8 13'	Total/NA	Solid	8015NM Prep	
880-46137-10	C-18 11'	Total/NA	Solid	8015NM Prep	
880-46137-11	C-24 7'	Total/NA	Solid	8015NM Prep	
880-46137-12	C-26 7'	Total/NA	Solid	8015NM Prep	
880-46137-13	C-27 7'	Total/NA	Solid	8015NM Prep	
880-46137-14	C-30 7'	Total/NA	Solid	8015NM Prep	
880-46137-15	C-31 7'	Total/NA	Solid	8015NM Prep	
880-46137-16	C-32 7'	Total/NA	Solid	8015NM Prep	
MB 880-86007/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86007/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86007/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-1	C-7 10'	Total/NA	Solid	8015B NM	86007
880-46137-2	C-35 7'	Total/NA	Solid	8015B NM	86007
880-46137-3	C- 47 6'	Total/NA	Solid	8015B NM	86007
880-46137-4	C-71 6'	Total/NA	Solid	8015B NM	86007
880-46137-5	C-72 6'	Total/NA	Solid	8015B NM	86007
880-46137-6	SW-16 4.1-7'	Total/NA	Solid	8015B NM	86007
880-46137-7	SW-15 4.1-6'	Total/NA	Solid	8015B NM	86007
880-46137-8	C-70 6'	Total/NA	Solid	8015B NM	86007

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project/Site: Pony Riser SDG: 23-0105-04

GC Semi VOA (Continued)

Analysis Batch: 86107 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-9	C-8 13'	Total/NA	Solid	8015B NM	86007
880-46137-10	C-18 11'	Total/NA	Solid	8015B NM	86007
880-46137-11	C-24 7'	Total/NA	Solid	8015B NM	86007
880-46137-12	C-26 7'	Total/NA	Solid	8015B NM	86007
880-46137-13	C-27 7'	Total/NA	Solid	8015B NM	86007
880-46137-14	C-30 7'	Total/NA	Solid	8015B NM	86007
880-46137-15	C-31 7'	Total/NA	Solid	8015B NM	86007
880-46137-16	C-32 7'	Total/NA	Solid	8015B NM	86007
MB 880-86007/1-A	Method Blank	Total/NA	Solid	8015B NM	86007
LCS 880-86007/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86007
LCSD 880-86007/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86007

Prep Batch: 86109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-17	C-33 7'	Total/NA	Solid	8015NM Prep	
MB 880-86109/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86109/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86109/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-17	C-33 7'	Total/NA	Solid	8015B NM	86109
MB 880-86109/1-A	Method Blank	Total/NA	Solid	8015B NM	86109
LCS 880-86109/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86109
LCSD 880-86109/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86109

Analysis Batch: 86157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-1	C-7 10'	Total/NA	Solid	8015 NM	
880-46137-2	C-35 7'	Total/NA	Solid	8015 NM	
880-46137-3	C- 47 6'	Total/NA	Solid	8015 NM	
880-46137-4	C-71 6'	Total/NA	Solid	8015 NM	
880-46137-5	C-72 6'	Total/NA	Solid	8015 NM	
880-46137-6	SW-16 4.1-7'	Total/NA	Solid	8015 NM	
880-46137-7	SW-15 4.1-6'	Total/NA	Solid	8015 NM	
880-46137-8	C-70 6'	Total/NA	Solid	8015 NM	
880-46137-9	C-8 13'	Total/NA	Solid	8015 NM	
880-46137-10	C-18 11'	Total/NA	Solid	8015 NM	
880-46137-11	C-24 7'	Total/NA	Solid	8015 NM	
880-46137-12	C-26 7'	Total/NA	Solid	8015 NM	
880-46137-13	C-27 7'	Total/NA	Solid	8015 NM	
880-46137-14	C-30 7'	Total/NA	Solid	8015 NM	
880-46137-15	C-31 7'	Total/NA	Solid	8015 NM	
880-46137-16	C-32 7'	Total/NA	Solid	8015 NM	
880-46137-17	C-33 7'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 86097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-1	C-7 10'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

HPLC/IC (Continued)

Leach Batch: 86097 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-2	C-35 7'	Soluble	Solid	DI Leach	
880-46137-3	C- 47 6'	Soluble	Solid	DI Leach	
880-46137-4	C-71 6'	Soluble	Solid	DI Leach	
880-46137-5	C-72 6'	Soluble	Solid	DI Leach	
880-46137-6	SW-16 4.1-7'	Soluble	Solid	DI Leach	
880-46137-7	SW-15 4.1-6'	Soluble	Solid	DI Leach	
880-46137-8	C-70 6'	Soluble	Solid	DI Leach	
880-46137-9	C-8 13'	Soluble	Solid	DI Leach	
880-46137-10	C-18 11'	Soluble	Solid	DI Leach	
880-46137-11	C-24 7'	Soluble	Solid	DI Leach	
880-46137-12	C-26 7'	Soluble	Solid	DI Leach	
880-46137-13	C-27 7'	Soluble	Solid	DI Leach	
880-46137-14	C-30 7'	Soluble	Solid	DI Leach	
880-46137-15	C-31 7'	Soluble	Solid	DI Leach	
880-46137-16	C-32 7'	Soluble	Solid	DI Leach	
880-46137-17	C-33 7'	Soluble	Solid	DI Leach	
MB 880-86097/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-86097/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-86097/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46137-9 MS	C-8 13'	Soluble	Solid	DI Leach	
880-46137-9 MSD	C-8 13'	Soluble	Solid	DI Leach	

Analysis Batch: 86128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46137-1	C-7 10'	Soluble	Solid	300.0	86097
880-46137-2	C-35 7'	Soluble	Solid	300.0	86097
880-46137-3	C- 47 6'	Soluble	Solid	300.0	86097
880-46137-4	C-71 6'	Soluble	Solid	300.0	86097
880-46137-5	C-72 6'	Soluble	Solid	300.0	86097
880-46137-6	SW-16 4.1-7'	Soluble	Solid	300.0	86097
880-46137-7	SW-15 4.1-6'	Soluble	Solid	300.0	86097
880-46137-8	C-70 6'	Soluble	Solid	300.0	86097
880-46137-9	C-8 13'	Soluble	Solid	300.0	86097
880-46137-10	C-18 11'	Soluble	Solid	300.0	86097
880-46137-11	C-24 7'	Soluble	Solid	300.0	86097
880-46137-12	C-26 7'	Soluble	Solid	300.0	86097
880-46137-13	C-27 7'	Soluble	Solid	300.0	86097
880-46137-14	C-30 7'	Soluble	Solid	300.0	86097
880-46137-15	C-31 7'	Soluble	Solid	300.0	86097
880-46137-16	C-32 7'	Soluble	Solid	300.0	86097
880-46137-17	C-33 7'	Soluble	Solid	300.0	86097
MB 880-86097/1-A	Method Blank	Soluble	Solid	300.0	86097
LCS 880-86097/2-A	Lab Control Sample	Soluble	Solid	300.0	86097
LCSD 880-86097/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	86097
880-46137-9 MS	C-8 13'	Soluble	Solid	300.0	86097
880-46137-9 MSD	C-8 13'	Soluble	Solid	300.0	86097

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-7 10'

Date Collected: 07/15/24 09:45
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-1

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	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 11:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 11:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/18/24 20:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/18/24 20:51	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 01:35	CH	EET MID

Client Sample ID: C-35 7'

Date Collected: 07/15/24 10:00
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-2

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	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 12:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 12:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/18/24 21:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/18/24 21:06	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 01:42	CH	EET MID

Client Sample ID: C- 47 6'

Date Collected: 07/15/24 10:09
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-3

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	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 12:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/18/24 21:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/18/24 21:21	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 01:49	CH	EET MID

Client Sample ID: C-71 6'

Date Collected: 07/15/24 10:23
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-4

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			5.00 g	5 mL	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 12:49	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-71 6'

Date Collected: 07/15/24 10:23
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-4
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			86157	07/18/24 21:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/18/24 21:36	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 02:09	CH	EET MID

Client Sample ID: C-72 6'

Date Collected: 07/15/24 10:32
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-5
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	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 13:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 13:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/18/24 21:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/18/24 21:51	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 02:16	CH	EET MID

Client Sample ID: SW-16 4.1-7'

Date Collected: 07/15/24 12:06
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-6
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			5.00 g	5 mL	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 13:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/18/24 22:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/18/24 22:06	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 02:23	CH	EET MID

Client Sample ID: SW-15 4.1-6'

Date Collected: 07/15/24 12:24
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-7
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			4.95 g	5 mL	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 13:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 13:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/18/24 22:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/18/24 22:36	TKC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: SW-15 4.1-6'

Lab Sample ID: 880-46137-7
Matrix: Solid
Date Collected: 07/15/24 12:24
Date Received: 07/17/24 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 02:29	CH	EET MID

Client Sample ID: C-70 6'

Lab Sample ID: 880-46137-8
Matrix: Solid
Date Collected: 07/15/24 10:15
Date Received: 07/17/24 13:50

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	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 14:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 14:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/18/24 22:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/18/24 22:51	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 02:36	CH	EET MID

Client Sample ID: C-8 13'

Lab Sample ID: 880-46137-9
Matrix: Solid
Date Collected: 07/16/24 10:12
Date Received: 07/17/24 13:50

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	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 14:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/18/24 23:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/18/24 23:06	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 02:43	CH	EET MID

Client Sample ID: C-18 11'

Lab Sample ID: 880-46137-10
Matrix: Solid
Date Collected: 07/16/24 10:05
Date Received: 07/17/24 13:50

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	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 14:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 14:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/18/24 23:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/18/24 23:20	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 03:04	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-24 7'

Date Collected: 07/16/24 11:31
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-11
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			5.00 g	5 mL	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 16:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/18/24 23:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/18/24 23:36	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 03:10	CH	EET MID

Client Sample ID: C-26 7'

Date Collected: 07/16/24 11:33
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-12
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	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 16:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 16:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/18/24 23:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/18/24 23:50	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 03:31	CH	EET MID

Client Sample ID: C-27 7'

Date Collected: 07/16/24 11:35
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-13
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			4.95 g	5 mL	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 17:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/19/24 00:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/19/24 00:07	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 03:38	CH	EET MID

Client Sample ID: C-30 7'

Date Collected: 07/16/24 11:38
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-14
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			4.98 g	5 mL	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 17:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 17:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-30 7'

Date Collected: 07/16/24 11:38
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-14
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			86157	07/19/24 00:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/19/24 00:21	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 03:44	CH	EET MID

Client Sample ID: C-31 7'

Date Collected: 07/16/24 11:44
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-15
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			5.00 g	5 mL	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 17:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/19/24 00:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/19/24 00:38	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 03:51	CH	EET MID

Client Sample ID: C-32 7'

Date Collected: 07/16/24 11:43
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-16
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			5.03 g	5 mL	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 18:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/19/24 00:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86007	07/17/24 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86107	07/19/24 00:52	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 03:58	CH	EET MID

Client Sample ID: C-33 7'

Date Collected: 07/16/24 11:47
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-17
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	86017	07/18/24 07:59	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86022	07/18/24 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86147	07/18/24 18:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			86157	07/19/24 20:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	86109	07/18/24 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86152	07/19/24 20:57	TKC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Client Sample ID: C-33 7'
Date Collected: 07/16/24 11:47
Date Received: 07/17/24 13:50

Lab Sample ID: 880-46137-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	86097	07/18/24 15:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86128	07/20/24 04:05	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project/Site: Pony Riser SDG: 23-0105-04

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-46137-1
Project/Site: Pony Riser SDG: 23-0105-04

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: Pony Riser

Job ID: 880-46137-1
SDG: 23-0105-04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-46137-1	C-7 10'	Solid	07/15/24 09:45	07/17/24 13:50
880-46137-2	C-35 7'	Solid	07/15/24 10:00	07/17/24 13:50
880-46137-3	C- 47 6'	Solid	07/15/24 10:09	07/17/24 13:50
880-46137-4	C-71 6'	Solid	07/15/24 10:23	07/17/24 13:50
880-46137-5	C-72 6'	Solid	07/15/24 10:32	07/17/24 13:50
880-46137-6	SW-16 4.1-7'	Solid	07/15/24 12:06	07/17/24 13:50
880-46137-7	SW-15 4.1-6'	Solid	07/15/24 12:24	07/17/24 13:50
880-46137-8	C-70 6'	Solid	07/15/24 10:15	07/17/24 13:50
880-46137-9	C-8 13'	Solid	07/16/24 10:12	07/17/24 13:50
880-46137-10	C-18 11'	Solid	07/16/24 10:05	07/17/24 13:50
880-46137-11	C-24 7'	Solid	07/16/24 11:31	07/17/24 13:50
880-46137-12	C-26 7'	Solid	07/16/24 11:33	07/17/24 13:50
880-46137-13	C-27 7'	Solid	07/16/24 11:35	07/17/24 13:50
880-46137-14	C-30 7'	Solid	07/16/24 11:38	07/17/24 13:50
880-46137-15	C-31 7'	Solid	07/16/24 11:44	07/17/24 13:50
880-46137-16	C-32 7'	Solid	07/16/24 11:43	07/17/24 13:50
880-46137-17	C-33 7'	Solid	07/16/24 11:47	07/17/24 13:50

Released to Imaging: 3/4/2025 10:16:12 AM
Received by OCD: 11/14/2024 4:51:29 PM

No. 3359

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: 7/17/2024 PAGE 1 OF 2
PO#: LAB WORK ORDER#: 46137
PROJECT LOCATION OR NAME: PONY RISER
LAI PROJECT #: 23-0105-04 COLLECTOR: DSG / IR

TRRP report? ☐ Yes ☒ No
TIME ZONE: Time zone/State: MNT / NM

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☑ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☑	DIESEL - MOD 8015 ☑	OIL - MOD 8015 ☑	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☑ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-7 10'		7/16/24	0945	S	1				X		X		X	X	X															X		
C-35 7'			1000																													
C-47 6'			1009																													
C-71 6'			1023																													
C-72 6			1032																													
~~SW-10 8-12'~~			1147																													
SW-16 4.1-7'			1206																													
SW-15 4.1-6			1224																													
C-70 6'			1015																													
C-8 13'		7/16/24	1012																													
C-18 11'			1005																													
C-24 7'			1131																													
C-26 7'			1133																													
C-27 7'			1135																													
C-30 7			1138																													
TOTAL 15																																

880-46137 Chain of Custody

RELINQUISHED BY: (Signature) DATE/TIME 7/17 850 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
LABORATORY: ENVIROTINS

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

LABORATORY USE ONLY:
RECEIVING TEMP: 3.9/3.6 THERM#: IR6
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Released to Imaging: 3/4/2025 10:16:12 AM
Received by OCD: 11/14/2024 4:51:29 PM

No. 3360

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: 7/17/2024 PAGE 2 OF 2
PO#: LAB WORK ORDER#: 461137
PROJECT LOCATION OR NAME: POOH RISER
LAI PROJECT #: 23-0105-64 COLLECTOR: BSG / TR

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MNT/NM

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☑ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☑	DIESEL - MOD 8015 ☑	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐ HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐	TCLP ☐	RCI ☐ TOX ☐	FLASHPOINT ☐	TDS ☐ TSS ☐	% MOISTURE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	CYANIDE ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☑ ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-31 7'		7/16/24	1144	S	1				X		X			X	X	X																				X			
C-32 7'		"	1143	S	"				"		"			"	"	"																				"			
C-33 7'		"	1147	S	"				"		"			"	"	"																				"			

TOTAL 3

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
	7/17 1350	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: Envirotech

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

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

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-46137-1
SDG Number: 23-0105-04

Login Number: 46137
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/7/2024 7:16:03 AM Revision 1

JOB DESCRIPTION

Pony Riser
23-0105-04

JOB NUMBER

880-46251-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 3/4/2025 10:16:12 AM

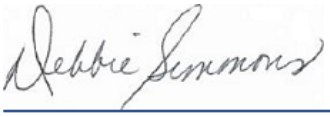
Eurofins Midland

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
8/7/2024 7:16:03 AM
Revision 1

Authorized for release by
Debbie Simmons, Project Manager
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Designee for
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(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Laboratory Job ID: 880-46251-1
SDG: 23-0105-04

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-46251-1
Project/Site: Pony Riser SDG: 23-0105-04

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-46251-1
Project: Pony Riser

Job ID: 880-46251-1 Eurofins Midland

Job Narrative
880-46251-1

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

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

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

Revision
The report being provided is a revision of the original report sent on 7/25/2024. The report (revision 1) is being revised due to: client request per Daniel St Germain (email) to double check the Chloride result on sample C-23 16". Upon review the Lab discovered that the weight on the original sample was entered incorrectly as 0.501 g instead of 5.01 g. The weight has been corrected and the sample was also reanalyzed and confirms the result. .

Receipt
The samples were received on 7/22/2024 9:50 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 13.9°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-10 10' (880-46251-1), C-23 16' (880-46251-2) and C-41 14' (880-46251-3).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-86269 and analytical batch 880-86221 was outside the control limits.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-10 10' (880-46251-1), C-23 16' (880-46251-2) and (CCV 880-86226/28). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-86226 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-86323 and analytical batch 880-86226 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The method blank for preparation batch 880-86323 and analytical batch 880-86226 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction and 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: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

Client Sample ID: C-10 10'
Date Collected: 07/18/24 11:32
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46251-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/23/24 08:34	07/23/24 16:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/23/24 08:34	07/23/24 16:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/23/24 08:34	07/23/24 16:26	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/23/24 08:34	07/23/24 16:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/23/24 08:34	07/23/24 16:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/23/24 08:34	07/23/24 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*07/23/24 08:34*	*07/23/24 16:26*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*07/23/24 08:34*	*07/23/24 16:26*	*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			07/23/24 16:26	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			07/22/24 23:56	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	<50.5	U	50.5		mg/Kg		07/22/24 16:39	07/22/24 23:56	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		07/22/24 16:39	07/22/24 23:56	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/22/24 16:39	07/22/24 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*75*		*70 - 130*	*07/22/24 16:39*	*07/22/24 23:56*	*1*
o-Terphenyl (Surr)	*67*	*S1-*	*70 - 130*	*07/22/24 16:39*	*07/22/24 23:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.78**		5.05		mg/Kg			07/24/24 04:43	1

Client Sample ID: C-23 16'
Date Collected: 07/18/24 11:17
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46251-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/23/24 08:34	07/23/24 16:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/23/24 08:34	07/23/24 16:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/23/24 08:34	07/23/24 16:46	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/23/24 08:34	07/23/24 16:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/23/24 08:34	07/23/24 16:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/23/24 08:34	07/23/24 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/23/24 08:34*	*07/23/24 16:46*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/23/24 08:34*	*07/23/24 16:46*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

Client Sample ID: C-23 16'

Date Collected: 07/18/24 11:17
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46251-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/23/24 16:46	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			07/23/24 00:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/22/24 16:39	07/23/24 00:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		07/22/24 16:39	07/23/24 00:11	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/22/24 16:39	07/23/24 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*75*		*70 - 130*	*07/22/24 16:39*	*07/23/24 00:11*	*1*
o-Terphenyl (Surr)	*67*	*S1-*	*70 - 130*	*07/22/24 16:39*	*07/23/24 00:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**502**		4.99		mg/Kg			07/24/24 04:50	1

Client Sample ID: C-41 14'

Date Collected: 07/18/24 12:00
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46251-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/22/24 11:26	07/22/24 20:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/24 11:26	07/22/24 20:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/22/24 11:26	07/22/24 20:43	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/22/24 11:26	07/22/24 20:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/24 11:26	07/22/24 20:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/22/24 11:26	07/22/24 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/22/24 11:26*	*07/22/24 20:43*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/22/24 11:26*	*07/22/24 20:43*	*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			07/22/24 20:43	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			07/23/24 00:26	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		07/22/24 16:39	07/23/24 00:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		07/22/24 16:39	07/23/24 00:26	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

Client Sample ID: C-41 14'

Date Collected: 07/18/24 12:00
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46251-3

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		07/22/24 16:39	07/23/24 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*07/22/24 16:39*	*07/23/24 00:26*	*1*
o-Terphenyl (Surr)	*75*		*70 - 130*	*07/22/24 16:39*	*07/23/24 00:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**322**		4.98		mg/Kg			07/24/24 04:58	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

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)
880-46251-1	C-10 10'	116	88
880-46251-2	C-23 16'	114	87
880-46251-3	C-41 14'	115	100
LCS 880-86269/1-A	Lab Control Sample	108	95
LCS 880-86350/1-A	Lab Control Sample	112	90
LCSD 880-86269/2-A	Lab Control Sample Dup	112	96
LCSD 880-86350/2-A	Lab Control Sample Dup	112	91
MB 880-86269/5-A	Method Blank	59 S1-	91
MB 880-86350/5-A	Method Blank	112	84

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)
880-46251-1	C-10 10'	75	67 S1-
880-46251-2	C-23 16'	75	67 S1-
880-46251-3	C-41 14'	83	75
LCS 880-86323/2-A	Lab Control Sample	96	80
LCSD 880-86323/3-A	Lab Control Sample Dup	127	107
MB 880-86323/1-A	Method Blank	97	91

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86269/5-A
Matrix: Solid
Analysis Batch: 86221

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86269

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 14:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 14:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 14:32	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/22/24 11:26	07/22/24 14:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 14:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/24 11:26	07/22/24 14:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*59*	*S1-*	*70 - 130*	*07/22/24 11:26*	*07/22/24 14:32*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/22/24 11:26*	*07/22/24 14:32*	*1*

Lab Sample ID: LCS 880-86269/1-A
Matrix: Solid
Analysis Batch: 86221

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86269

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1072		mg/Kg		107	70 - 130		
Toluene			0.100	0.1055		mg/Kg		105	70 - 130		
Ethylbenzene			0.100	0.1074		mg/Kg		107	70 - 130		
m,p-Xylenes			0.200	0.2082		mg/Kg		104	70 - 130		
o-Xylene			0.100	0.1079		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-86269/2-A
Matrix: Solid
Analysis Batch: 86221

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86269

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1156		mg/Kg		116	70 - 130	8	35
Toluene			0.100	0.1089		mg/Kg		109	70 - 130	3	35
Ethylbenzene			0.100	0.1138		mg/Kg		114	70 - 130	6	35
m,p-Xylenes			0.200	0.2212		mg/Kg		111	70 - 130	6	35
o-Xylene			0.100	0.1162		mg/Kg		116	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 880-86350/5-A
Matrix: Solid
Analysis Batch: 86346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86350

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/23/24 08:34	07/23/24 11:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/23/24 08:34	07/23/24 11:27	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

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

Lab Sample ID: MB 880-86350/5-A
Matrix: Solid
Analysis Batch: 86346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86350

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/23/24 08:34	07/23/24 11:27	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/23/24 08:34	07/23/24 11:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/23/24 08:34	07/23/24 11:27	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/23/24 08:34	07/23/24 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/23/24 08:34*	*07/23/24 11:27*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*07/23/24 08:34*	*07/23/24 11:27*	*1*

Lab Sample ID: LCS 880-86350/1-A
Matrix: Solid
Analysis Batch: 86346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86350

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08294		mg/Kg		83	70 - 130		
Toluene			0.100	0.08103		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.08048		mg/Kg		80	70 - 130		
m,p-Xylenes			0.200	0.1771		mg/Kg		89	70 - 130		
o-Xylene			0.100	0.09110		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-86350/2-A
Matrix: Solid
Analysis Batch: 86346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86350

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09752		mg/Kg		98	70 - 130	16	35
Toluene			0.100	0.09587		mg/Kg		96	70 - 130	17	35
Ethylbenzene			0.100	0.09575		mg/Kg		96	70 - 130	17	35
m,p-Xylenes			0.200	0.2106		mg/Kg		105	70 - 130	17	35
o-Xylene			0.100	0.1066		mg/Kg		107	70 - 130	16	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

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

Lab Sample ID: MB 880-86323/1-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86323

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		07/22/24 16:38	07/22/24 19:13	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

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

Lab Sample ID: MB 880-86323/1-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86323

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		07/22/24 16:38	07/22/24 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/24 16:38	07/22/24 19:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*97*		*70 - 130*	*07/22/24 16:38*	*07/22/24 19:13*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*07/22/24 16:38*	*07/22/24 19:13*	*1*

Lab Sample ID: LCS 880-86323/2-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86323

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1004		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	839.8		mg/Kg		84	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*96*		*70 - 130*
o-Terphenyl (Surr)	*80*		*70 - 130*

Lab Sample ID: LCSD 880-86323/3-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86323

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1057		mg/Kg		106	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1104	*1	mg/Kg		110	70 - 130	27	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*127*		*70 - 130*
o-Terphenyl (Surr)	*107*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86294/1-A
Matrix: Solid
Analysis Batch: 86390

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			07/24/24 03:48	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-86294/2-A
Matrix: Solid
Analysis Batch: 86390

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.5		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-86294/3-A
Matrix: Solid
Analysis Batch: 86390

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	257.1		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-87143/1-A
Matrix: Solid
Analysis Batch: 87257

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			08/02/24 23:17	1

Lab Sample ID: LCS 880-87143/2-A
Matrix: Solid
Analysis Batch: 87257

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	237.9		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-87143/3-A
Matrix: Solid
Analysis Batch: 87257

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	238.8		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

GC VOA

Analysis Batch: 86221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46251-3	C-41 14'	Total/NA	Solid	8021B	86269
MB 880-86269/5-A	Method Blank	Total/NA	Solid	8021B	86269
LCS 880-86269/1-A	Lab Control Sample	Total/NA	Solid	8021B	86269
LCSD 880-86269/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	86269

Prep Batch: 86269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46251-3	C-41 14'	Total/NA	Solid	5035	
MB 880-86269/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-86269/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-86269/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 86346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46251-1	C-10 10'	Total/NA	Solid	8021B	86350
880-46251-2	C-23 16'	Total/NA	Solid	8021B	86350
MB 880-86350/5-A	Method Blank	Total/NA	Solid	8021B	86350
LCS 880-86350/1-A	Lab Control Sample	Total/NA	Solid	8021B	86350
LCSD 880-86350/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	86350

Prep Batch: 86350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46251-1	C-10 10'	Total/NA	Solid	5035	
880-46251-2	C-23 16'	Total/NA	Solid	5035	
MB 880-86350/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-86350/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-86350/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 86376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46251-1	C-10 10'	Total/NA	Solid	Total BTEX	
880-46251-2	C-23 16'	Total/NA	Solid	Total BTEX	
880-46251-3	C-41 14'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 86226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46251-1	C-10 10'	Total/NA	Solid	8015B NM	86323
880-46251-2	C-23 16'	Total/NA	Solid	8015B NM	86323
880-46251-3	C-41 14'	Total/NA	Solid	8015B NM	86323
MB 880-86323/1-A	Method Blank	Total/NA	Solid	8015B NM	86323
LCS 880-86323/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86323
LCSD 880-86323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86323

Prep Batch: 86323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46251-1	C-10 10'	Total/NA	Solid	8015NM Prep	
880-46251-2	C-23 16'	Total/NA	Solid	8015NM Prep	
880-46251-3	C-41 14'	Total/NA	Solid	8015NM Prep	
MB 880-86323/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

GC Semi VOA (Continued)

Prep Batch: 86323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-86323/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46251-1	C-10 10'	Total/NA	Solid	8015 NM	
880-46251-2	C-23 16'	Total/NA	Solid	8015 NM	
880-46251-3	C-41 14'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 86294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46251-1	C-10 10'	Soluble	Solid	DI Leach	
880-46251-2	C-23 16'	Soluble	Solid	DI Leach	
880-46251-3	C-41 14'	Soluble	Solid	DI Leach	
MB 880-86294/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-86294/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-86294/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 86390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46251-1	C-10 10'	Soluble	Solid	300.0	86294
880-46251-2	C-23 16'	Soluble	Solid	300.0	86294
880-46251-3	C-41 14'	Soluble	Solid	300.0	86294
MB 880-86294/1-A	Method Blank	Soluble	Solid	300.0	86294
LCS 880-86294/2-A	Lab Control Sample	Soluble	Solid	300.0	86294
LCSD 880-86294/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	86294

Leach Batch: 87143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-87143/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87143/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87143/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 87257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-87143/1-A	Method Blank	Soluble	Solid	300.0	87143
LCS 880-87143/2-A	Lab Control Sample	Soluble	Solid	300.0	87143
LCSD 880-87143/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87143

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

Client Sample ID: C-10 10'
Date Collected: 07/18/24 11:32
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46251-1
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	86350	07/23/24 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86346	07/23/24 16:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86376	07/23/24 16:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			86396	07/22/24 23:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 23:56	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 04:43	CH	EET MID

Client Sample ID: C-23 16'
Date Collected: 07/18/24 11:17
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46251-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	86350	07/23/24 08:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86346	07/23/24 16:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86376	07/23/24 16:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			86396	07/23/24 00:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/23/24 00:11	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 04:50	CH	EET MID

Client Sample ID: C-41 14'
Date Collected: 07/18/24 12:00
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46251-3
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			4.95 g	5 mL	86269	07/22/24 11:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86221	07/22/24 20:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86376	07/22/24 20:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			86396	07/23/24 00:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/23/24 00:26	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 04:58	CH	EET MID

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-46251-1
Project/Site: Pony Riser SDG: 23-0105-04

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

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

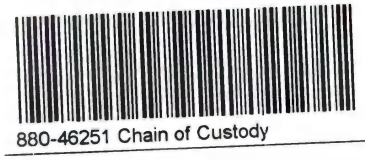
Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46251-1
SDG: 23-0105-04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-46251-1	C-10 10'	Solid	07/18/24 11:32	07/22/24 09:50
880-46251-2	C-23 16'	Solid	07/18/24 11:17	07/22/24 09:50
880-46251-3	C-41 14'	Solid	07/18/24 12:00	07/22/24 09:50

Released to Imaging: 3/4/2025 10:16:12 AM
Received by OCD: 11/14/2024 4:51:29 PM



No. 2601

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 [illegible], Ste. 202
Midland, TX 79701
432-687-0901

7/22/24 PAGE 1 OF 1

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Pony Riser

LAI PROJECT #: 23-0105-04 COLLECTOR: DSG

Data Reported to: Daniel St. Germain

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MNT/NM

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP VOC ☐	TCLP - METALS (RCRA) ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D.W. 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	HEXAVALENT CHROMIUM ☐	CYANIDE ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☐	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-10 10'		7/18/24	11:32	S	1				X		X		X	X	X	X																										X		
C-23 16'		1	11:17	1	1				1		1		1	1	1	1																										1		
C-41 14'		1	12:00	1	1				1		1		1	1	1	1																										1		

TOTAL 3

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	7/22	[signature] 950
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
LABORATORY:		

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

LABORATORY USE ONLY:
RECEIVING TEMP: 14.0/13.9 THERM#:
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-46251-1
SDG Number: 23-0105-04

Login Number: 46251
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Pony Riser
23-0105-04

JOB NUMBER

880-46252-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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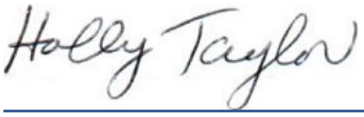
Eurofins Midland

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: Pony Riser

Laboratory Job ID: 880-46252-1
SDG: 23-0105-04

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-46252-1
Project/Site: Pony Riser SDG: 23-0105-04

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-46252-1
Project: Pony Riser

Job ID: 880-46252-1 Eurofins Midland

Job Narrative
880-46252-1

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

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

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

Receipt
The samples were received on 7/22/2024 9:50 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 13.9°C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: BF-1 (880-46252-1), BF-2 (880-46252-2), BF-3 (880-46252-3), BF-4 (880-46252-4), BF-5 (880-46252-5), BF-6 (880-46252-6), BF-7 (880-46252-7), BF-8 (880-46252-8), BF-9 (880-46252-9) and BF-10 (880-46252-10). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to proceed with analysis.

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-86269 and analytical batch 880-86221 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.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-86269 and analytical batch 880-86221 was outside the control limits.

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

Diesel Range Organics
Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: BF-9 (880-46252-9). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-86043 and analytical batch 880-86228 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BF-10 (880-46252-10). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-86228 recovered above the upper control limit for Diesel Range Organics (Over C10-C28), 1-Chlorooctane (Surr) and o-Terphenyl (Surr). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-86228/32), (CCV 880-86228/33) and (CCV 880-86228/34).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BF-7 (880-46252-7) and (CCV 880-86226/28). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: BF-6 (880-46252-6) and BF-8 (880-46252-8). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-86226 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-46252-1
Project: Pony Riser

Job ID: 880-46252-1 (Continued) Eurofins Midland

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-86323 and analytical batch 880-86226 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The method blank for preparation batch 880-86323 and analytical batch 880-86226 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction and re-analysis of samples was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-86408 recovered above the upper control limit for 1-Chlorooctane (Surr). 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 880-86408/6).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BF-1 (880-46252-1), BF-2 (880-46252-2) and BF-4 (880-46252-4). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-86395 and analytical batch 880-86408 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: BF-5 (880-46252-5). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-86395 and analytical batch 880-86408 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

Client Sample ID: BF-1

Date Collected: 07/19/24 10:01
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		07/22/24 11:26	07/22/24 14:58	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		07/22/24 11:26	07/22/24 14:58	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		07/22/24 11:26	07/22/24 14:58	1
m,p-Xylenes	<0.00399	U F2 F1	0.00399		mg/Kg		07/22/24 11:26	07/22/24 14:58	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		07/22/24 11:26	07/22/24 14:58	1
Xylenes, Total	<0.00399	U F2 F1	0.00399		mg/Kg		07/22/24 11:26	07/22/24 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*07/22/24 11:26*	*07/22/24 14:58*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*07/22/24 11:26*	*07/22/24 14:58*	*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			07/22/24 14:58	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			07/23/24 16:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/23/24 14:11	07/23/24 16:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		07/23/24 14:11	07/23/24 16:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/23/24 14:11	07/23/24 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*61*	*S1-*	*70 - 130*	*07/23/24 14:11*	*07/23/24 16:44*	*1*
o-Terphenyl (Surr)	*70*		*70 - 130*	*07/23/24 14:11*	*07/23/24 16:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			07/24/24 05:22	1

Client Sample ID: BF-2

Date Collected: 07/19/24 10:02
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/22/24 11:26	07/22/24 15:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/24 11:26	07/22/24 15:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/22/24 11:26	07/22/24 15:25	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/22/24 11:26	07/22/24 15:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/24 11:26	07/22/24 15:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/22/24 11:26	07/22/24 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/22/24 11:26*	*07/22/24 15:25*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/22/24 11:26*	*07/22/24 15:25*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

Client Sample ID: BF-2

Date Collected: 07/19/24 10:02
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-2
Matrix: Solid

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			07/22/24 15:25	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			07/23/24 16:58	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	<50.0	U	50.0		mg/Kg		07/23/24 14:11	07/23/24 16:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		07/23/24 14:11	07/23/24 16:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/23/24 14:11	07/23/24 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*63*	*S1-*	*70 - 130*	*07/23/24 14:11*	*07/23/24 16:58*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*07/23/24 14:11*	*07/23/24 16:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			07/24/24 05:29	1

Client Sample ID: BF-3

Date Collected: 07/19/24 10:03
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/22/24 11:26	07/22/24 15:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/24 11:26	07/22/24 15:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/22/24 11:26	07/22/24 15:51	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		07/22/24 11:26	07/22/24 15:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/24 11:26	07/22/24 15:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/22/24 11:26	07/22/24 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/22/24 11:26*	*07/22/24 15:51*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/22/24 11:26*	*07/22/24 15:51*	*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			07/22/24 15:51	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			07/23/24 17:13	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	<49.8	U	49.8		mg/Kg		07/23/24 14:11	07/23/24 17:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		07/23/24 14:11	07/23/24 17:13	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-46252-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: BF-3 Lab Sample ID: 880-46252-3

Date Collected: 07/19/24 10:03 **Matrix: Solid**
Date Received: 07/22/24 09:50

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		07/23/24 14:11	07/23/24 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*07/23/24 14:11*	*07/23/24 17:13*	*1*
o-Terphenyl (Surr)	*80*		*70 - 130*	*07/23/24 14:11*	*07/23/24 17:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			07/24/24 05:37	1

Client Sample ID: BF-4 Lab Sample ID: 880-46252-4

Date Collected: 07/19/24 10:05 **Matrix: Solid**
Date Received: 07/22/24 09:50

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		07/22/24 11:26	07/22/24 16:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 16:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 16:18	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/22/24 11:26	07/22/24 16:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 16:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/24 11:26	07/22/24 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/22/24 11:26*	*07/22/24 16:18*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*07/22/24 11:26*	*07/22/24 16:18*	*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			07/22/24 16:18	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			07/23/24 17:27	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	<49.8	U	49.8		mg/Kg		07/23/24 14:11	07/23/24 17:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		07/23/24 14:11	07/23/24 17:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/23/24 14:11	07/23/24 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*69*	*S1-*	*70 - 130*	*07/23/24 14:11*	*07/23/24 17:27*	*1*
o-Terphenyl (Surr)	*78*		*70 - 130*	*07/23/24 14:11*	*07/23/24 17:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			07/24/24 05:45	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-46252-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: BF-5 Lab Sample ID: 880-46252-5

Date Collected: 07/19/24 10:06 **Matrix: Solid**
Date Received: 07/22/24 09:50

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		07/22/24 11:26	07/22/24 16:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 16:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 16:44	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/22/24 11:26	07/22/24 16:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 16:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/24 11:26	07/22/24 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/22/24 11:26*	*07/22/24 16:44*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/22/24 11:26*	*07/22/24 16:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/22/24 16:44	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			07/23/24 17:42	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	<50.4	U	50.4		mg/Kg		07/23/24 14:11	07/23/24 17:42	1
Diesel Range Organics (Over C10-C28)	<50.4	U *1	50.4		mg/Kg		07/23/24 14:11	07/23/24 17:42	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/23/24 14:11	07/23/24 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*57*	*S1-*	*70 - 130*	*07/23/24 14:11*	*07/23/24 17:42*	*1*
o-Terphenyl (Surr)	*64*	*S1-*	*70 - 130*	*07/23/24 14:11*	*07/23/24 17:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			07/24/24 05:53	1

Client Sample ID: BF-6 Lab Sample ID: 880-46252-6

Date Collected: 07/19/24 10:07 **Matrix: Solid**
Date Received: 07/22/24 09:50

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		07/22/24 11:26	07/22/24 17:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/24 11:26	07/22/24 17:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/24 11:26	07/22/24 17:11	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/22/24 11:26	07/22/24 17:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/24 11:26	07/22/24 17:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/24 11:26	07/22/24 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/22/24 11:26*	*07/22/24 17:11*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/22/24 11:26*	*07/22/24 17:11*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-46252-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: BF-6 Lab Sample ID: 880-46252-6
Date Collected: 07/19/24 10:07 **Matrix: Solid**
Date Received: 07/22/24 09:50

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			07/22/24 17:11	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			07/23/24 00:56	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	<50.2	U	50.2		mg/Kg		07/22/24 16:39	07/23/24 00:56	1
Diesel Range Organics (Over C10-C28)	<50.2	U *1	50.2		mg/Kg		07/22/24 16:39	07/23/24 00:56	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/22/24 16:39	07/23/24 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*69*	*S1-*	*70 - 130*	*07/22/24 16:39*	*07/23/24 00:56*	*1*
o-Terphenyl (Surr)	*60*	*S1-*	*70 - 130*	*07/22/24 16:39*	*07/23/24 00:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			07/24/24 06:01	1

Client Sample ID: BF-7 Lab Sample ID: 880-46252-7
Date Collected: 07/19/24 10:08 **Matrix: Solid**
Date Received: 07/22/24 09:50

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		07/22/24 11:26	07/22/24 17:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/24 11:26	07/22/24 17:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/24 11:26	07/22/24 17:37	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		07/22/24 11:26	07/22/24 17:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/24 11:26	07/22/24 17:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/24 11:26	07/22/24 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*07/22/24 11:26*	*07/22/24 17:37*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/22/24 11:26*	*07/22/24 17:37*	*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			07/22/24 17:37	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			07/23/24 01:10	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		07/22/24 16:39	07/23/24 01:10	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		07/22/24 16:39	07/23/24 01:10	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-46252-1
Project/Site: Pony Riser SDG: 23-0105-04

Client Sample ID: BF-7 Lab Sample ID: 880-46252-7

Date Collected: 07/19/24 10:08 **Matrix: Solid**
Date Received: 07/22/24 09:50

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		07/22/24 16:39	07/23/24 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*74*		*70 - 130*	*07/22/24 16:39*	*07/23/24 01:10*	*1*
o-Terphenyl (Surr)	*64*	*S1-*	*70 - 130*	*07/22/24 16:39*	*07/23/24 01:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			07/24/24 06:24	1

Client Sample ID: BF-8 Lab Sample ID: 880-46252-8

Date Collected: 07/19/24 10:10 **Matrix: Solid**
Date Received: 07/22/24 09:50

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		07/22/24 11:26	07/22/24 18:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/24 11:26	07/22/24 18:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/24 11:26	07/22/24 18:04	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		07/22/24 11:26	07/22/24 18:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/24 11:26	07/22/24 18:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/24 11:26	07/22/24 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*07/22/24 11:26*	*07/22/24 18:04*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*07/22/24 11:26*	*07/22/24 18:04*	*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			07/22/24 18:04	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			07/23/24 01:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/22/24 16:39	07/23/24 01:26	1
Diesel Range Organics (Over C10-C28)	<50.4	U *1	50.4		mg/Kg		07/22/24 16:39	07/23/24 01:26	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/22/24 16:39	07/23/24 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*62*	*S1-*	*70 - 130*	*07/22/24 16:39*	*07/23/24 01:26*	*1*
o-Terphenyl (Surr)	*55*	*S1-*	*70 - 130*	*07/22/24 16:39*	*07/23/24 01:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			07/24/24 06:32	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

Client Sample ID: BF-9

Date Collected: 07/19/24 10:12
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-9
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		07/22/24 11:26	07/22/24 18:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 18:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 18:30	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/22/24 11:26	07/22/24 18:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 18:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/24 11:26	07/22/24 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*07/22/24 11:26*	*07/22/24 18:30*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*07/22/24 11:26*	*07/22/24 18:30*	*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			07/22/24 18:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/23/24 01:10	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		07/22/24 15:51	07/23/24 01:10	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/22/24 15:51	07/23/24 01:10	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/22/24 15:51	07/23/24 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*58*	*S1-*	*70 - 130*	*07/22/24 15:51*	*07/23/24 01:10*	*1*
o-Terphenyl (Surr)	*66*	*S1-*	*70 - 130*	*07/22/24 15:51*	*07/23/24 01:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			07/24/24 06:55	1

Client Sample ID: BF-10

Date Collected: 07/19/24 10:15
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-10
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		07/22/24 11:26	07/22/24 18:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 18:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 18:57	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/22/24 11:26	07/22/24 18:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 18:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/24 11:26	07/22/24 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*07/22/24 11:26*	*07/22/24 18:57*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/22/24 11:26*	*07/22/24 18:57*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

Client Sample ID: BF-10

Date Collected: 07/19/24 10:15
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-10

Matrix: Solid

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			07/22/24 18:57	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			07/23/24 01:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/22/24 15:51	07/23/24 01:26	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/22/24 15:51	07/23/24 01:26	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/22/24 15:51	07/23/24 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*64*	*S1-*	*70 - 130*	*07/22/24 15:51*	*07/23/24 01:26*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*07/22/24 15:51*	*07/23/24 01:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.17**		4.99		mg/Kg			07/24/24 07:03	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

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)
880-46252-1	BF-1	101	79
880-46252-1 MS	BF-1	118	104
880-46252-1 MSD	BF-1	99	91
880-46252-2	BF-2	114	90
880-46252-3	BF-3	112	97
880-46252-4	BF-4	111	105
880-46252-5	BF-5	113	96
880-46252-6	BF-6	114	97
880-46252-7	BF-7	106	92
880-46252-8	BF-8	125	101
880-46252-9	BF-9	124	109
880-46252-10	BF-10	102	87
LCS 880-86269/1-A	Lab Control Sample	108	95
LCSD 880-86269/2-A	Lab Control Sample Dup	112	96
MB 880-86269/5-A	Method Blank	59 S1-	91

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)
880-46252-1	BF-1	61 S1-	70
880-46252-2	BF-2	63 S1-	71
880-46252-3	BF-3	70	80
880-46252-4	BF-4	69 S1-	78
880-46252-5	BF-5	57 S1-	64 S1-
880-46252-6	BF-6	69 S1-	60 S1-
880-46252-7	BF-7	74	64 S1-
880-46252-8	BF-8	62 S1-	55 S1-
880-46252-9	BF-9	58 S1-	66 S1-
880-46252-10	BF-10	64 S1-	71
LCS 880-86043/2-A	Lab Control Sample	105	112
LCS 880-86323/2-A	Lab Control Sample	96	80
LCS 880-86395/2-A	Lab Control Sample	123	129
LCSD 880-86043/3-A	Lab Control Sample Dup	94	98
LCSD 880-86323/3-A	Lab Control Sample Dup	127	107
LCSD 880-86395/3-A	Lab Control Sample Dup	98	101
MB 880-86043/1-A	Method Blank	87	239 S1+
MB 880-86323/1-A	Method Blank	97	91
MB 880-86395/1-A	Method Blank	104	288 S1+

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86269/5-A
Matrix: Solid
Analysis Batch: 86221

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86269

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 14:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 14:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 14:32	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/22/24 11:26	07/22/24 14:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/24 11:26	07/22/24 14:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/24 11:26	07/22/24 14:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*59*	*S1-*	*70 - 130*	*07/22/24 11:26*	*07/22/24 14:32*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/22/24 11:26*	*07/22/24 14:32*	*1*

Lab Sample ID: LCS 880-86269/1-A
Matrix: Solid
Analysis Batch: 86221

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86269

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1072		mg/Kg		107	70 - 130		
Toluene			0.100	0.1055		mg/Kg		105	70 - 130		
Ethylbenzene			0.100	0.1074		mg/Kg		107	70 - 130		
m,p-Xylenes			0.200	0.2082		mg/Kg		104	70 - 130		
o-Xylene			0.100	0.1079		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-86269/2-A
Matrix: Solid
Analysis Batch: 86221

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86269

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1156		mg/Kg		116	70 - 130	8	35
Toluene			0.100	0.1089		mg/Kg		109	70 - 130	3	35
Ethylbenzene			0.100	0.1138		mg/Kg		114	70 - 130	6	35
m,p-Xylenes			0.200	0.2212		mg/Kg		111	70 - 130	6	35
o-Xylene			0.100	0.1162		mg/Kg		116	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-46252-1 MS
Matrix: Solid
Analysis Batch: 86221

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 86269

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F2 F1	0.100	0.04228	F1	mg/Kg		42	70 - 130		
Toluene	<0.00200	U F2 F1	0.100	0.04121	F1	mg/Kg		41	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-46252-1
Project/Site: Pony Riser SDG: 23-0105-04

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

Lab Sample ID: 880-46252-1 MS **Client Sample ID: BF-1**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 86221 **Prep Batch: 86269**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F2 F1	0.100	0.04158	F1	mg/Kg		42	70 - 130
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.08146	F1	mg/Kg		41	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.04225	F1	mg/Kg		42	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-46252-1 MSD **Client Sample ID: BF-1**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 86221 **Prep Batch: 86269**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.100	0.09387	F2	mg/Kg		94	70 - 130	76	35
Toluene	<0.00200	U F2 F1	0.100	0.08970	F2	mg/Kg		90	70 - 130	74	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.09602	F2	mg/Kg		96	70 - 130	79	35
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.1889	F2	mg/Kg		94	70 - 130	79	35
o-Xylene	<0.00200	U F2 F1	0.100	0.09916	F2	mg/Kg		99	70 - 130	80	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

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

Lab Sample ID: MB 880-86043/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 86228 **Prep Batch: 86043**

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		07/18/24 10:51	07/22/24 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/18/24 10:51	07/22/24 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/18/24 10:51	07/22/24 19:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*07/18/24 10:51*	*07/22/24 19:13*	*1*
o-Terphenyl (Surr)	*239*	*S1+*	*70 - 130*	*07/18/24 10:51*	*07/22/24 19:13*	*1*

Lab Sample ID: LCS 880-86043/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 86228 **Prep Batch: 86043**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	880.0		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	980.3		mg/Kg		98	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

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

Lab Sample ID: LCS 880-86043/2-A
Matrix: Solid
Analysis Batch: 86228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86043

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	105		70 - 130
o-Terphenyl (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-86043/3-A
Matrix: Solid
Analysis Batch: 86228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86043

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	820.6		mg/Kg		82	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	871.3		mg/Kg		87	70 - 130	12	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	98		70 - 130

Lab Sample ID: MB 880-86323/1-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86323

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		07/22/24 16:38	07/22/24 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/24 16:38	07/22/24 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/24 16:38	07/22/24 19:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	07/22/24 16:38	07/22/24 19:13	1
o-Terphenyl (Surr)	91		70 - 130	07/22/24 16:38	07/22/24 19:13	1

Lab Sample ID: LCS 880-86323/2-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86323

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1004		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	839.8		mg/Kg		84	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	96		70 - 130
o-Terphenyl (Surr)	80		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

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

Lab Sample ID: LCSD 880-86323/3-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86323

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1057		mg/Kg		106	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1104	*1	mg/Kg		110	70 - 130	27	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*127*		*70 - 130*
o-Terphenyl (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 880-86395/1-A
Matrix: Solid
Analysis Batch: 86408

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86395

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		07/23/24 08:00	07/23/24 10:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/23/24 08:00	07/23/24 10:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/23/24 08:00	07/23/24 10:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*07/23/24 08:00*	*07/23/24 10:13*	*1*
o-Terphenyl (Surr)	*288*	*S1+*	*70 - 130*	*07/23/24 08:00*	*07/23/24 10:13*	*1*

Lab Sample ID: LCS 880-86395/2-A
Matrix: Solid
Analysis Batch: 86408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86395

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1015		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1179		mg/Kg		118	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*123*		*70 - 130*
o-Terphenyl (Surr)	*129*		*70 - 130*

Lab Sample ID: LCSD 880-86395/3-A
Matrix: Solid
Analysis Batch: 86408

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86395

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	842.1		mg/Kg		84	70 - 130	19	20
Diesel Range Organics (Over C10-C28)			1000	903.0	*1	mg/Kg		90	70 - 130	27	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

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

Lab Sample ID: LCSD 880-86395/3-A
Matrix: Solid
Analysis Batch: 86408

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86395

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86294/1-A
Matrix: Solid
Analysis Batch: 86390

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			07/24/24 03:48	1

Lab Sample ID: LCS 880-86294/2-A
Matrix: Solid
Analysis Batch: 86390

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.5		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-86294/3-A
Matrix: Solid
Analysis Batch: 86390

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	257.1		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-46252-6 MS
Matrix: Solid
Analysis Batch: 86390

Client Sample ID: BF-6
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<5.02	U	251	266.7		mg/Kg		106	90 - 110		

Lab Sample ID: 880-46252-6 MSD
Matrix: Solid
Analysis Batch: 86390

Client Sample ID: BF-6
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.02	U	251	268.1		mg/Kg		106	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

GC VOA

Analysis Batch: 86221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-1	BF-1	Total/NA	Solid	8021B	86269
880-46252-2	BF-2	Total/NA	Solid	8021B	86269
880-46252-3	BF-3	Total/NA	Solid	8021B	86269
880-46252-4	BF-4	Total/NA	Solid	8021B	86269
880-46252-5	BF-5	Total/NA	Solid	8021B	86269
880-46252-6	BF-6	Total/NA	Solid	8021B	86269
880-46252-7	BF-7	Total/NA	Solid	8021B	86269
880-46252-8	BF-8	Total/NA	Solid	8021B	86269
880-46252-9	BF-9	Total/NA	Solid	8021B	86269
880-46252-10	BF-10	Total/NA	Solid	8021B	86269
MB 880-86269/5-A	Method Blank	Total/NA	Solid	8021B	86269
LCS 880-86269/1-A	Lab Control Sample	Total/NA	Solid	8021B	86269
LCSD 880-86269/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	86269
880-46252-1 MS	BF-1	Total/NA	Solid	8021B	86269
880-46252-1 MSD	BF-1	Total/NA	Solid	8021B	86269

Prep Batch: 86269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-1	BF-1	Total/NA	Solid	5035	
880-46252-2	BF-2	Total/NA	Solid	5035	
880-46252-3	BF-3	Total/NA	Solid	5035	
880-46252-4	BF-4	Total/NA	Solid	5035	
880-46252-5	BF-5	Total/NA	Solid	5035	
880-46252-6	BF-6	Total/NA	Solid	5035	
880-46252-7	BF-7	Total/NA	Solid	5035	
880-46252-8	BF-8	Total/NA	Solid	5035	
880-46252-9	BF-9	Total/NA	Solid	5035	
880-46252-10	BF-10	Total/NA	Solid	5035	
MB 880-86269/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-86269/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-86269/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46252-1 MS	BF-1	Total/NA	Solid	5035	
880-46252-1 MSD	BF-1	Total/NA	Solid	5035	

Analysis Batch: 86375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-1	BF-1	Total/NA	Solid	Total BTEX	
880-46252-2	BF-2	Total/NA	Solid	Total BTEX	
880-46252-3	BF-3	Total/NA	Solid	Total BTEX	
880-46252-4	BF-4	Total/NA	Solid	Total BTEX	
880-46252-5	BF-5	Total/NA	Solid	Total BTEX	
880-46252-6	BF-6	Total/NA	Solid	Total BTEX	
880-46252-7	BF-7	Total/NA	Solid	Total BTEX	
880-46252-8	BF-8	Total/NA	Solid	Total BTEX	
880-46252-9	BF-9	Total/NA	Solid	Total BTEX	
880-46252-10	BF-10	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

GC Semi VOA

Prep Batch: 86043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-9	BF-9	Total/NA	Solid	8015NM Prep	
880-46252-10	BF-10	Total/NA	Solid	8015NM Prep	
MB 880-86043/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86043/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86043/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-6	BF-6	Total/NA	Solid	8015B NM	86323
880-46252-7	BF-7	Total/NA	Solid	8015B NM	86323
880-46252-8	BF-8	Total/NA	Solid	8015B NM	86323
MB 880-86323/1-A	Method Blank	Total/NA	Solid	8015B NM	86323
LCS 880-86323/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86323
LCSD 880-86323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86323

Analysis Batch: 86228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-9	BF-9	Total/NA	Solid	8015B NM	86043
880-46252-10	BF-10	Total/NA	Solid	8015B NM	86043
MB 880-86043/1-A	Method Blank	Total/NA	Solid	8015B NM	86043
LCS 880-86043/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86043
LCSD 880-86043/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86043

Prep Batch: 86323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-6	BF-6	Total/NA	Solid	8015NM Prep	
880-46252-7	BF-7	Total/NA	Solid	8015NM Prep	
880-46252-8	BF-8	Total/NA	Solid	8015NM Prep	
MB 880-86323/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86323/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-1	BF-1	Total/NA	Solid	8015 NM	
880-46252-2	BF-2	Total/NA	Solid	8015 NM	
880-46252-3	BF-3	Total/NA	Solid	8015 NM	
880-46252-4	BF-4	Total/NA	Solid	8015 NM	
880-46252-5	BF-5	Total/NA	Solid	8015 NM	
880-46252-6	BF-6	Total/NA	Solid	8015 NM	
880-46252-7	BF-7	Total/NA	Solid	8015 NM	
880-46252-8	BF-8	Total/NA	Solid	8015 NM	
880-46252-9	BF-9	Total/NA	Solid	8015 NM	
880-46252-10	BF-10	Total/NA	Solid	8015 NM	

Prep Batch: 86395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-1	BF-1	Total/NA	Solid	8015NM Prep	
880-46252-2	BF-2	Total/NA	Solid	8015NM Prep	
880-46252-3	BF-3	Total/NA	Solid	8015NM Prep	
880-46252-4	BF-4	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-46252-1
Project/Site: Pony Riser SDG: 23-0105-04

GC Semi VOA (Continued)

Prep Batch: 86395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-5	BF-5	Total/NA	Solid	8015NM Prep	
MB 880-86395/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86395/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-1	BF-1	Total/NA	Solid	8015B NM	86395
880-46252-2	BF-2	Total/NA	Solid	8015B NM	86395
880-46252-3	BF-3	Total/NA	Solid	8015B NM	86395
880-46252-4	BF-4	Total/NA	Solid	8015B NM	86395
880-46252-5	BF-5	Total/NA	Solid	8015B NM	86395
MB 880-86395/1-A	Method Blank	Total/NA	Solid	8015B NM	86395
LCS 880-86395/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86395
LCSD 880-86395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86395

HPLC/IC

Leach Batch: 86294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-1	BF-1	Soluble	Solid	DI Leach	
880-46252-2	BF-2	Soluble	Solid	DI Leach	
880-46252-3	BF-3	Soluble	Solid	DI Leach	
880-46252-4	BF-4	Soluble	Solid	DI Leach	
880-46252-5	BF-5	Soluble	Solid	DI Leach	
880-46252-6	BF-6	Soluble	Solid	DI Leach	
880-46252-7	BF-7	Soluble	Solid	DI Leach	
880-46252-8	BF-8	Soluble	Solid	DI Leach	
880-46252-9	BF-9	Soluble	Solid	DI Leach	
880-46252-10	BF-10	Soluble	Solid	DI Leach	
MB 880-86294/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-86294/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-86294/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46252-6 MS	BF-6	Soluble	Solid	DI Leach	
880-46252-6 MSD	BF-6	Soluble	Solid	DI Leach	

Analysis Batch: 86390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-1	BF-1	Soluble	Solid	300.0	86294
880-46252-2	BF-2	Soluble	Solid	300.0	86294
880-46252-3	BF-3	Soluble	Solid	300.0	86294
880-46252-4	BF-4	Soluble	Solid	300.0	86294
880-46252-5	BF-5	Soluble	Solid	300.0	86294
880-46252-6	BF-6	Soluble	Solid	300.0	86294
880-46252-7	BF-7	Soluble	Solid	300.0	86294
880-46252-8	BF-8	Soluble	Solid	300.0	86294
880-46252-9	BF-9	Soluble	Solid	300.0	86294
880-46252-10	BF-10	Soluble	Solid	300.0	86294
MB 880-86294/1-A	Method Blank	Soluble	Solid	300.0	86294
LCS 880-86294/2-A	Lab Control Sample	Soluble	Solid	300.0	86294
LCSD 880-86294/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	86294

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-46252-1
Project/Site: Pony Riser SDG: 23-0105-04

HPLC/IC (Continued)

Analysis Batch: 86390 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46252-6 MS	BF-6	Soluble	Solid	300.0	86294
880-46252-6 MSD	BF-6	Soluble	Solid	300.0	86294

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

Client Sample ID: BF-1
Date Collected: 07/19/24 10:01
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-1
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	86269	07/22/24 11:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86221	07/22/24 14:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86375	07/22/24 14:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			86378	07/23/24 16:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	86395	07/23/24 14:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86408	07/23/24 16:44	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 05:22	CH	EET MID

Client Sample ID: BF-2
Date Collected: 07/19/24 10:02
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-2
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			4.95 g	5 mL	86269	07/22/24 11:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86221	07/22/24 15:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86375	07/22/24 15:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			86378	07/23/24 16:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86395	07/23/24 14:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86408	07/23/24 16:58	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 05:29	CH	EET MID

Client Sample ID: BF-3
Date Collected: 07/19/24 10:03
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-3
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			4.95 g	5 mL	86269	07/22/24 11:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86221	07/22/24 15:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86375	07/22/24 15:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			86378	07/23/24 17:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	86395	07/23/24 14:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86408	07/23/24 17:13	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 05:37	CH	EET MID

Client Sample ID: BF-4
Date Collected: 07/19/24 10:05
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-4
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	86269	07/22/24 11:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86221	07/22/24 16:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86375	07/22/24 16:18	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

Client Sample ID: BF-4
Date Collected: 07/19/24 10:05
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-4
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			86378	07/23/24 17:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	86395	07/23/24 14:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86408	07/23/24 17:27	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 05:45	CH	EET MID

Client Sample ID: BF-5
Date Collected: 07/19/24 10:06
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	86269	07/22/24 11:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86221	07/22/24 16:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86375	07/22/24 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			86378	07/23/24 17:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	86395	07/23/24 14:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86408	07/23/24 17:42	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 05:53	CH	EET MID

Client Sample ID: BF-6
Date Collected: 07/19/24 10:07
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-6
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			4.98 g	5 mL	86269	07/22/24 11:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86221	07/22/24 17:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86375	07/22/24 17:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			86378	07/23/24 00:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/23/24 00:56	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 06:01	CH	EET MID

Client Sample ID: BF-7
Date Collected: 07/19/24 10:08
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	86269	07/22/24 11:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86221	07/22/24 17:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86375	07/22/24 17:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			86378	07/23/24 01:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/23/24 01:10	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

Client Sample ID: BF-7
Date Collected: 07/19/24 10:08
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 06:24	CH	EET MID

Client Sample ID: BF-8
Date Collected: 07/19/24 10:10
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-8
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			5.03 g	5 mL	86269	07/22/24 11:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86221	07/22/24 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86375	07/22/24 18:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			86378	07/23/24 01:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/23/24 01:26	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 06:32	CH	EET MID

Client Sample ID: BF-9
Date Collected: 07/19/24 10:12
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	86269	07/22/24 11:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86221	07/22/24 18:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86375	07/22/24 18:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			86378	07/23/24 01:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	86043	07/22/24 15:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86228	07/23/24 01:10	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 06:55	CH	EET MID

Client Sample ID: BF-10
Date Collected: 07/19/24 10:15
Date Received: 07/22/24 09:50

Lab Sample ID: 880-46252-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	86269	07/22/24 11:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86221	07/22/24 18:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86375	07/22/24 18:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			86378	07/23/24 01:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	86043	07/22/24 15:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86228	07/23/24 01:26	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	86294	07/22/24 14:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86390	07/24/24 07:03	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-46252-1
Project/Site: Pony Riser SDG: 23-0105-04

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-46252-1
Project/Site: Pony Riser SDG: 23-0105-04

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: Pony Riser

Job ID: 880-46252-1
SDG: 23-0105-04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-46252-1	BF-1	Solid	07/19/24 10:01	07/22/24 09:50
880-46252-2	BF-2	Solid	07/19/24 10:02	07/22/24 09:50
880-46252-3	BF-3	Solid	07/19/24 10:03	07/22/24 09:50
880-46252-4	BF-4	Solid	07/19/24 10:05	07/22/24 09:50
880-46252-5	BF-5	Solid	07/19/24 10:06	07/22/24 09:50
880-46252-6	BF-6	Solid	07/19/24 10:07	07/22/24 09:50
880-46252-7	BF-7	Solid	07/19/24 10:08	07/22/24 09:50
880-46252-8	BF-8	Solid	07/19/24 10:10	07/22/24 09:50
880-46252-9	BF-9	Solid	07/19/24 10:12	07/22/24 09:50
880-46252-10	BF-10	Solid	07/19/24 10:15	07/22/24 09:50

Released to Imaging: 3/4/2025 10:16:12 AM
Received by OCD: 11/14/2024 4:51:29 PM



No. 2600

CHAIN-OF-CUSTODY

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

7/22/24 PAGE 1 OF 1

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Pony Riser

LAI PROJECT #: 23-0105-04 COLLECTOR: DSG

Data Reported to: Daniel St. Germain

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MNT/NM

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP VOC ☐	TCLP - METALS (RCRA) ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D.W. 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	CYANIDE ☐	pH ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
BF-1		7/19/24	10:01	S	1				X		X			X	X	X																									X				
BF-2		"	10:02	"	"				"		"			"	"	"																									"				
BF-3		"	10:03	"	"				"		"			"	"	"																									"				
BF-4		"	10:05	"	"				"		"			"	"	"																									"				
BF-5		"	10:06	"	"				"		"			"	"	"																									"				
BF-6		"	10:07	"	"				"		"			"	"	"																									"				
BF-7		"	10:08	"	"				"		"			"	"	"																									"				
BF-8		"	10:10	"	"				"		"			"	"	"																									"				
BF-9		"	10:12	"	"				"		"			"	"	"																									"				
BF-10		"	10:15	"	"				"		"			"	"	"																									"				

TOTAL 10

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
Brandi Bratton	7/22	950
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
LABORATORY:		

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

LABORATORY USE ONLY:
RECEIVING TEMP: 14.0/13.9 THERM#:
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-46252-1
SDG Number: 23-0105-04

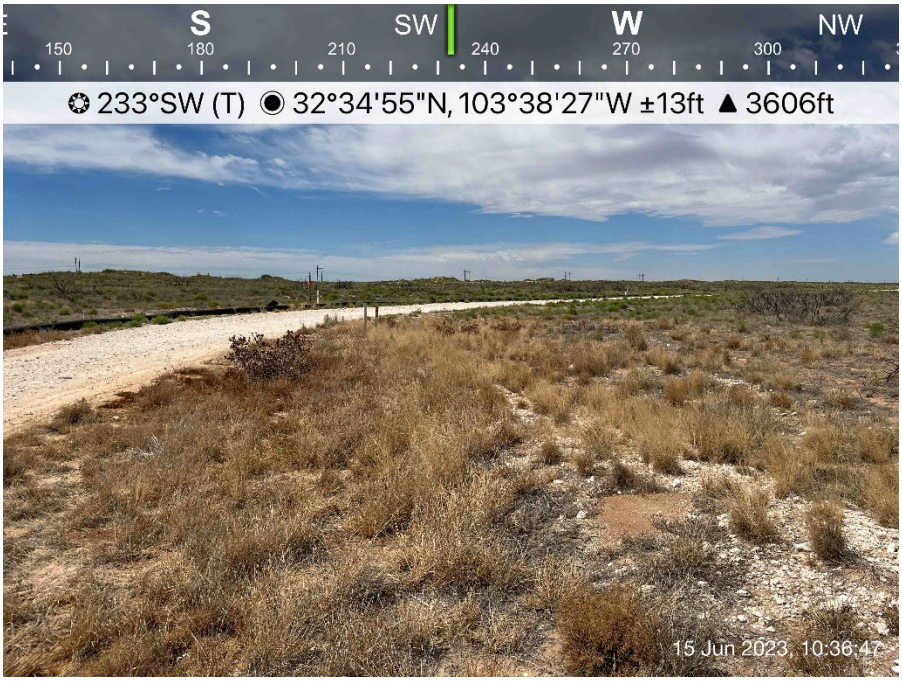
Login Number: 46252
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

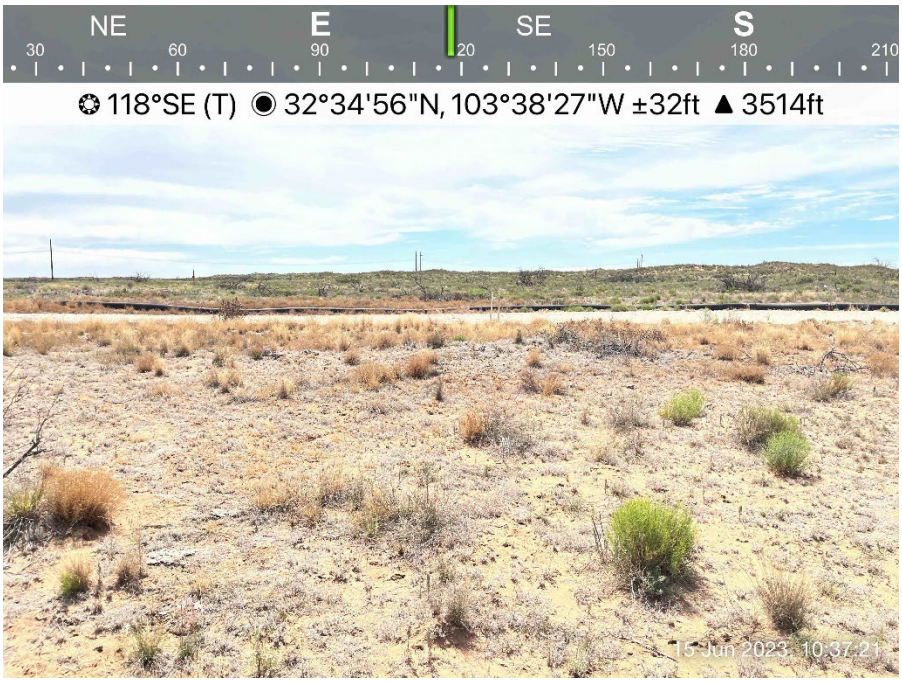
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Refer to Job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

Appendix F

Photographic Documentation



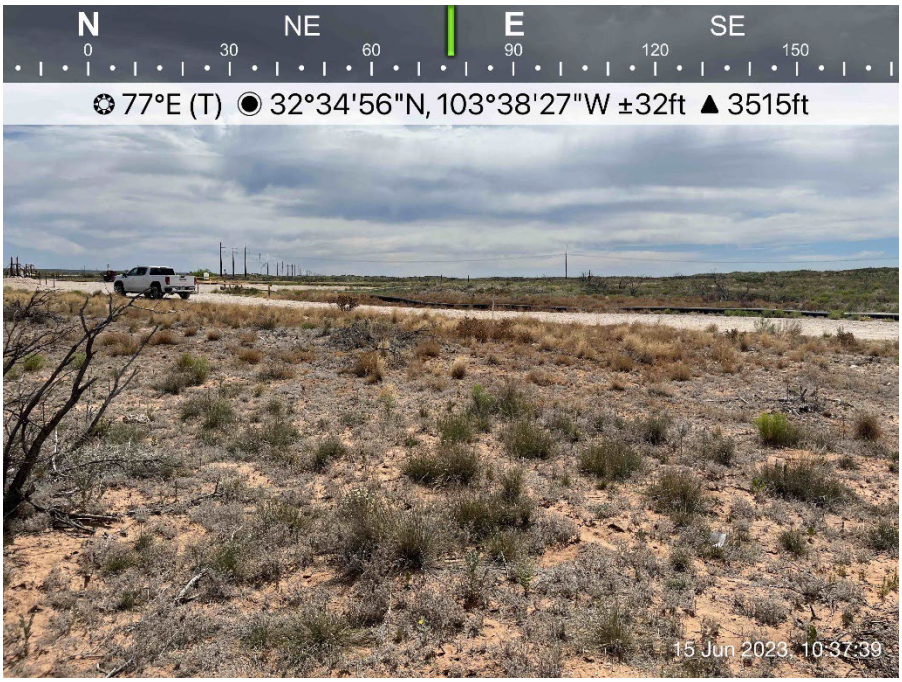
Spill area on lease road and in pasture, viewing southwest.



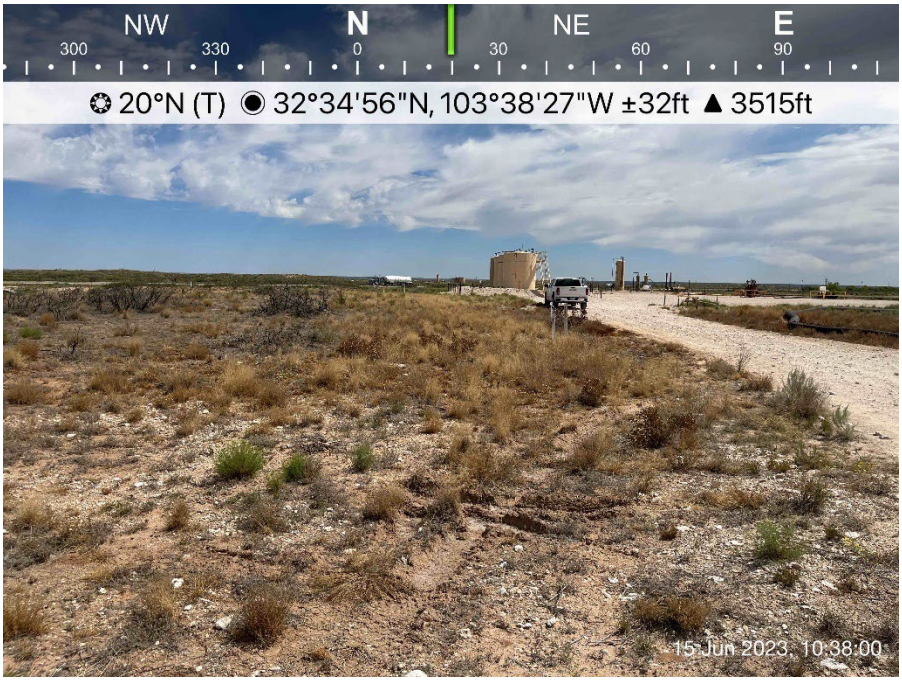
Spill area in the pasture, viewing southeast.



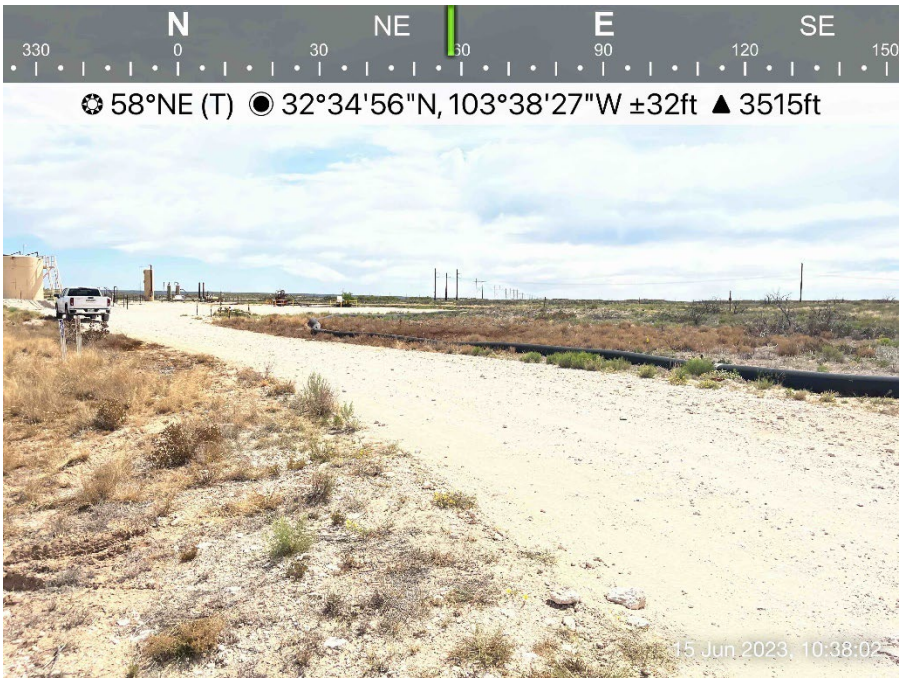
Spill area on the lease road and in the pasture, viewing southeast.



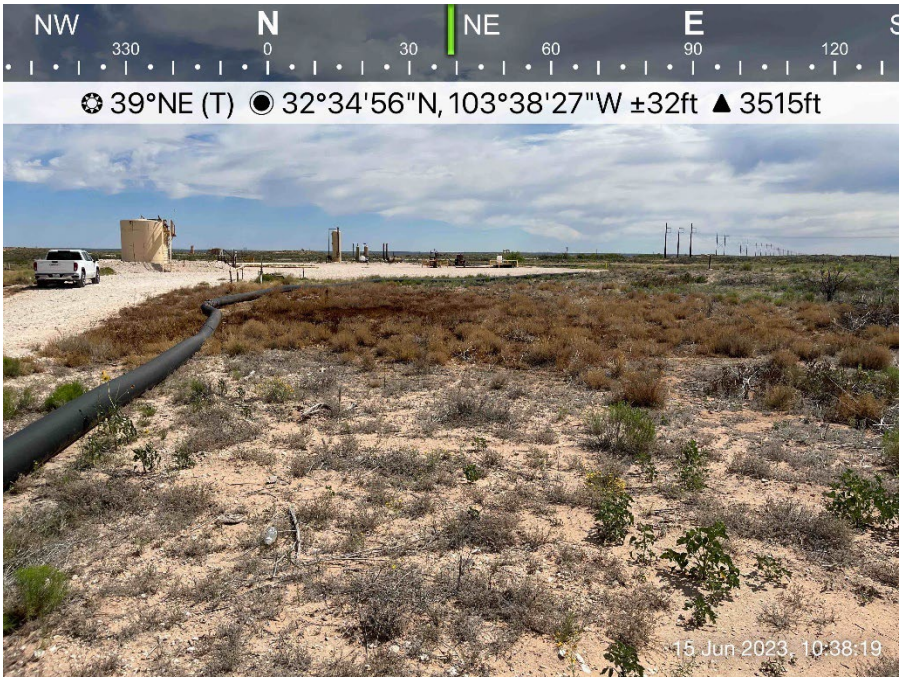
Spill area on the lease road and in the pasture, viewing east.



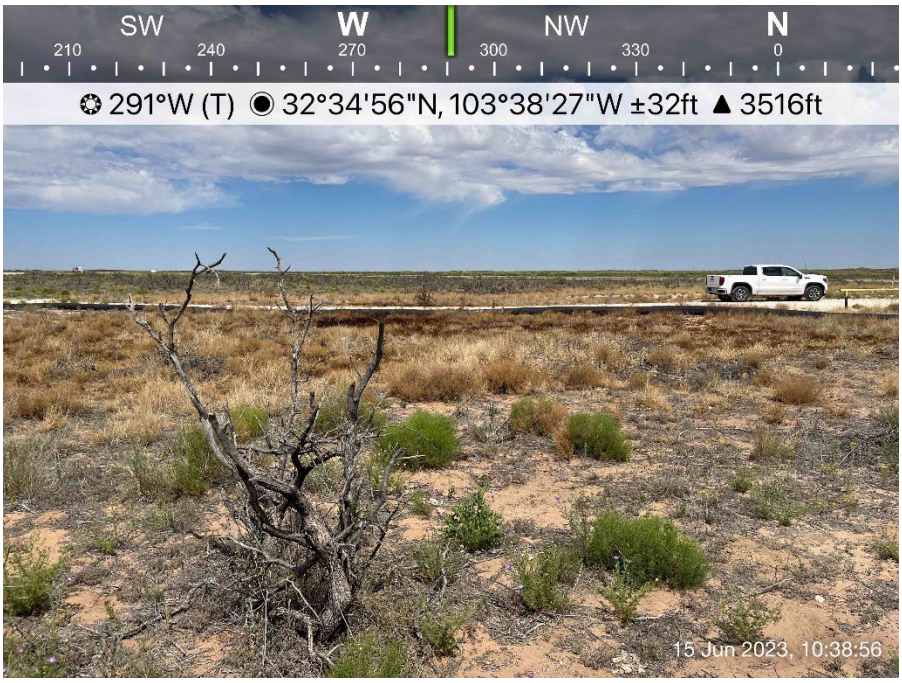
Spill area on the lease road and in the pasture, viewing north.



Spill area on the lease road and in the pasture, viewing northeast.



Spill area on the lease road and in the pasture, viewing to the northeast.



Spill area in the pasture, viewing to the west.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, viewing north.



Excavated areas on the lease road and in the pasture, viewing north.



Excavated areas on the lease road and in the pasture, viewing west.



Excavated areas on the lease road and in the pasture, viewing east.



Excavated areas on the lease road and in the pasture, viewing east.



Excavated areas on the lease road and in the pasture, viewing east.



Excavated areas on the lease road and in the pasture, vertical view.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, vertical view.



Excavated areas on the lease road and in the pasture, viewing east.



Excavated areas on the lease road and in the pasture, viewing south.



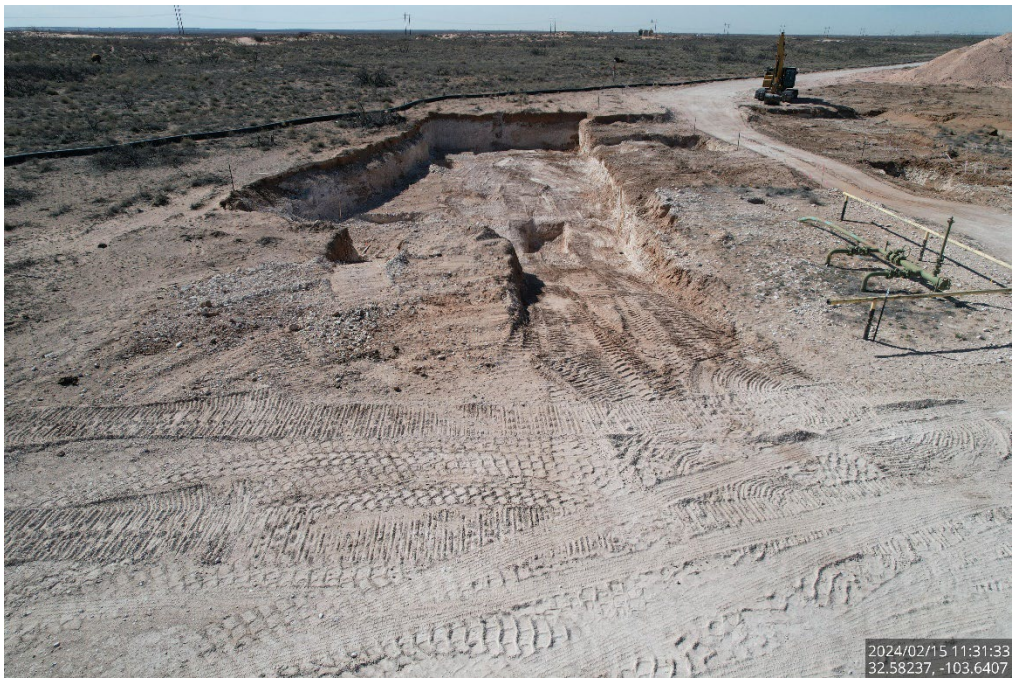
Excavated areas on the lease road and in the pasture, viewing east.



Excavated areas on the lease road and in the pasture, viewing west.



Excavated areas on the lease road and in the pasture, vertical view.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, viewing north.



Excavated areas on the lease road and in the pasture, viewing west.



Excavated areas on the lease road and in the pasture, viewing east.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, viewing west.



Excavated areas on the lease road and in the pasture, viewing northwest.



Excavated areas on the lease road and in the pasture, viewing north.



Excavated areas on the lease road and in the pasture, viewing west.



Excavated area in the pasture, viewing south.



Excavated area in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, viewing northwest.



Excavated area in the pasture, viewing northeast.



Excavated areas on the lease road and in the pasture, viewing north.



Excavated areas on the lease road and in the pasture, viewing northwest.



Excavated areas on the lease road and in the pasture, viewing north.



Excavated area in the pasture, viewing northwest.



Excavated area in the pasture, viewing northeast.



Excavated area in the pasture, viewing southeast.



Excavated area in the pasture, viewing northeast.



Excavated area in the pasture, viewing southwest.



Excavated areas on the lease road and in the pasture, viewing southwest.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, viewing southeast.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, viewing southwest.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated area in the pasture, viewing south.



Excavated area the pasture, viewing southwest.



Excavated areas on the lease road and in the pasture, viewing west.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated area in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, viewing west.



Excavated areas on the lease road and in the pasture, viewing north.



Excavated areas on the lease road and in the pasture, viewing east.



Excavated areas on the lease road and in the pasture, viewing north.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, viewing south.



Excavated areas on the lease road and in the pasture, vertical view.



Excavated areas on the lease road and in the pasture, vertical view.



Excavated areas on the lease road and in the pasture, vertical view.



Excavated areas on the lease road and in the pasture, vertical view.



Excavated areas on the lease road and in the pasture, viewing west.



Excavated areas on the lease road and in the pasture, vertical view.



Excavated area in the pasture, viewing to the southwest.



Excavated area in the pasture, viewing to the northwest.



Excavated area in the pasture, viewing to the southwest.



Excavated area in the pasture, viewing to the north.



Excavated area in the pasture, viewing to the southwest.



Excavated area in the pasture, viewing to the north.



Excavated area in the pasture, viewing to the north.



Excavated area in the pasture, viewing to the northwest.



Excavated area in the pasture, viewing to the northeast.



Excavated area in the pasture, viewing to the north.



Excavated area in the pasture, viewing to the east.



Excavated area in the pasture, viewing to the northeast.



Excavated area in the pasture and on lease road, viewing to the northeast.



Excavated area on lease road, viewing to the northeast.



Excavated area in the pasture and on lease road, viewing to the north.



Excavated area in the pasture, viewing to the northeast.



Excavated area in the pasture, viewing to the northeast.



Excavated area in the pasture, viewing to the southeast.



Excavated area in the pasture, viewing to the east.



Excavated area in the pasture, viewing to the south.



Excavated area in the pasture, viewing to the southwest.



Excavated area in the pasture, viewing to the south.



Excavated area in the pasture and lease road, viewing to the south.



Excavated area on lease road, viewing to the south.



Excavated area in the pasture and on lease road, viewing to the west.



Excavated area in the pasture and on lease road, viewing to the southwest.



Excavated area in the pasture, viewing to the south.



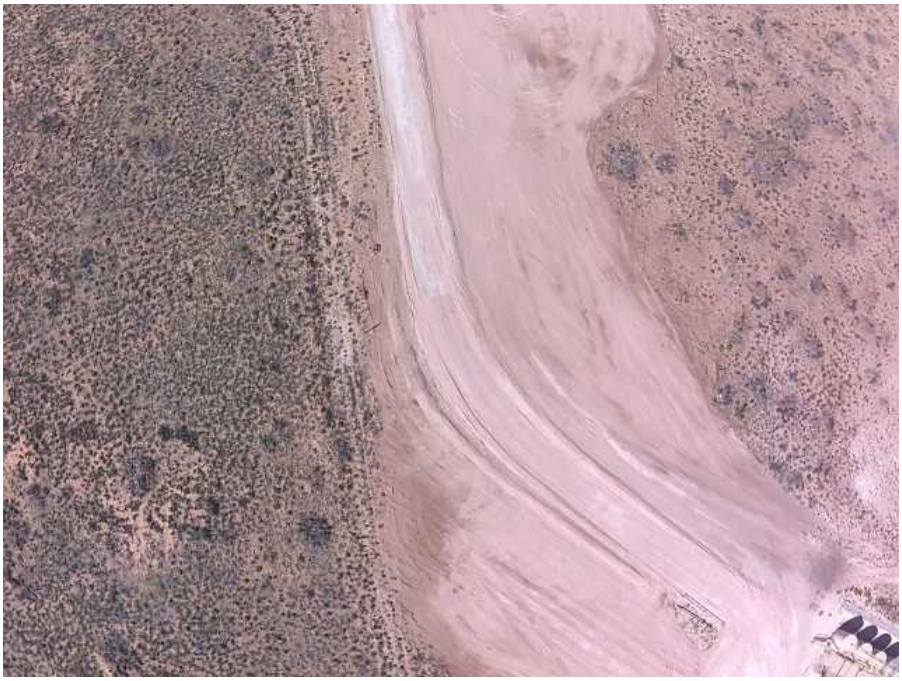
Excavated area in the pasture, viewing to the southwest.



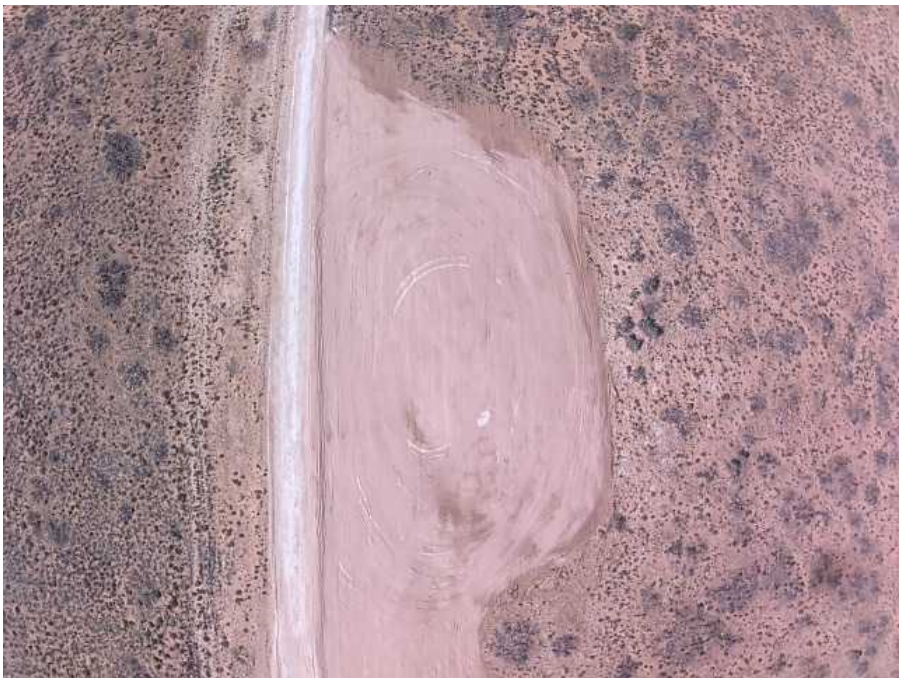
Aerial image of backfilled and seeded excavation on October 2, 2024, viewing to the east.



Aerial image of backfilled and seeded excavation on October 2, 2024, viewing to the west.



Aerial image of backfilled and seeded excavation on October 2, 2024, viewing to the south.



Aerial image of area seeded due to surface disturbance caused by the excavation on October 2, 2024, vertical view.

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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

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 403524
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2315236756**
Incident Name	**NAPP2315236756 MARGARITA PONY RISER @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2322719486] Margarita Facility Tank Battery**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MARGARITA PONY RISER
Date Release Discovered	06/01/2023
Surface Owner	Federal

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 | Pipeline (Any) | Produced Water | Released: 300 BBL | Recovered: 140 BBL | Lost: 160 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	Cause: | | Other (Specify) | Released: 0 (Unknown Released Amount) | Recovered: 0 | Lost: 0 .
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 403524
	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	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

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: Timsan Bricker Title: ENV Coordinator Email: tbricker@selectwater.com Date: 11/14/2024

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QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 403524
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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)	30100
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	50.3
GRO+DRO (EPA SW-846 Method 8015M)	50.3
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	11/21/2023
On what date will (or did) the final sampling or liner inspection occur	07/12/2024
On what date will (or was) the remediation complete(d)	09/27/2024
What is the estimated surface area (in square feet) that will be reclaimed	13674
What is the estimated volume (in cubic yards) that will be reclaimed	5949
What is the estimated surface area (in square feet) that will be remediated	13674
What is the estimated volume (in cubic yards) that will be remediated	5949
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 (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 403524
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*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.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Timsan Bricker Title: ENV Coordinator Email: tbricker@selectwater.com Date: 11/14/2024
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 (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 403524
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 403524
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**362721**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**07/12/2024**
What was the (estimated) number of samples that were to be gathered	**43**
What was the sampling surface area in square feet	**8600**

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	13674
What was the total volume (cubic yards) remediated	5949
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	13674
What was the total volume (in cubic yards) reclaimed	5949
Summarize any additional remediation activities not included by answers (above)	Between August 8, 2024, and September 24, 2024, the excavation was backfilled with the clean backfill material. Caliche was used to backfill the excavation on the lease road, and topsoil was used to backfill excavations located in the pasture. Additional topsoil was used to recontour offsite areas to resemble previous surface conditions. On September 26 and 27, 2024, Apeck personnel seeded the pasture area with BLM Mix #3. Table 3 presents the analytical data of the backfill material. Appendix E presents the laboratory reports. Appendix F presents photographic documentation.
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: Timsan Bricker Title: ENV Coordinator Email: tbricker@selectwater.com Date: 11/14/2024

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 403524
	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

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 403524
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CONDITIONS

Created By	Condition	Condition Date
nvelez	None	3/4/2025