Form C-141
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State of New Mexico
Oil Conservation Division

Incident ID	nAPP2225935775
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?	07/05/2023 - NV >100 (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.

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State of New Mexico
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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: Halie Butler Title: Sr. Corp ENV Manager

Signature: HButler Date: 04/20/23

email: hbutler@selectenergyservices.com Telephone: 281-467-3153

OCD Only

Received by: Jocelyn Harimon Date: 04/20/2023

State of New Mexico
Oil Conservation Division

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Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Halie Butler Title: Sr. Corp ENV Manager

Signature: Type text here Date: 04/20/2023

email: hbutler@selectenergyservices.com Telephone: 281-467-3153

OCD Only

Received by: Jocelyn Harimon Date: 04/20/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Nelson Velez Date: 07/05/2023

Remediation Plan approved with the following conditions;

1) No remedial activity is required for the following areas; from S-1 area - approximately 2,044 square feet ($ft.^2$), from S-6 area - approximately 1,422 $ft.^2$, from C-1, C-9, C-10 area - approximately 500 $ft.^2$, from S-2, S-10, C-4, C-5, C-6, C-7 - approximately 1,746 $ft.^2$
2) Excavation from S-7 area - approximately 2,366 $ft.^2$, required to reach, at a minimum, 1 foot below ground surface (bgs).
3) Excavation from S-4 and S-5 area - approximately 3,317 $ft.^2$, S-8 area - approximately 1,110 $ft.^2$, and S-11 and C-3 area - approximately 442 $ft.^2$, required to reach, at a minimum, 3 ½ ft. bgs.
4) Collect confirmation samples per five point composite every 200 $ft.^2$ from excavation base and sidewalls.
5) Sample laboratory analysis for chloride only,
6) Remediation Due date updated to October 3, 2023 to submit final closure report with photos of excavated areas prior to backfill.
7) Backfill excavation as stated in report.

Incident Number: nAPP2225935775
Delineation Report and Remediation Plan
Salado Draw Pad 415
Produced Water Release
Eddy County, New Mexico

Latitude: 32.02228°
Longitude: -103.63008°

LAI Project No. 22-0104-07

April 19, 2023

Prepared for:
Select Energy Services.
PO Box 1715
Gainesville, TX 76241

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

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

Matthew Fuller
Staff Geologist

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Table of Contents

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this delineation report and remediation plan on behalf of Select Energy Services (Select) for submittal to the New Mexico Oil Conservation Division (NMOCD) District I for a produced water release at the Salado Draw Pad 415 (Site) located in Unit N, Section 24, Township 26 South, Range 32 East in Lea County, New Mexico. The geodetic position is North 32.02228° and West -103.63008°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on September 2, 2022, and was the result of a manifold operator closing an inlet valve, allowing pressure to build above the maximum threshold of the lay flat line, causing the line to fail and release produced water along the lease road and into the pasture. Select reported that about 847 barrels (bbls) of produced water were released and that about 125 bbls were recovered. The initial C-141 was received by the NMOCD on September 16, 2023, and assigned to incident number nAPP2225935775. Appendix A presents the initial C-141 and spill calculations.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,136 feet above mean sea level (MSL).
- The surface topography is gradually decreasing to the northwest.
- There are no surface water features within 0.5 miles of the Site.
- Karst data provided by the USGS describes the Site as “Medium Risk” potential.
- The soils are designated as Pyote soils and Dune Land, where the Pyote soil setting consists of 0 to 30 inches of find sand underlain by 30 to 60 inches of fine sandy loam; and the Dune Land setting consists of 0 to 60 inches of fine sand.
- Surface geology is described as Holocene to middle Pleistocene eolian and piedmont deposits consisting of alternating layers of eolian and piedmont-slope deposits.
- Groundwater is greater than 100 feet below ground surface (bgs), based on a groundwater bore (SB-01) that was drilled near the release to 101.5 feet bgs, and was dry 72 hours after completion.

Figure 2 presents an aerial map showing the Site and the groundwater borehole location. Appendix B presents the karst risk potential map. Appendix C presents the boring log for SB-01.

1.3 Remediation Standards

The following remediation standards are based on closure criteria for soils impacted by a release, where groundwater is greater than 100 feet bgs, as presented in Table 1 of 19.15.29 NMAC:

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 2,500 mg/Kg
- Chloride 20,000 mg/Kg

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

2.0 DELINEATION

On September 20, 2023, LAI personnel used a stainless-steel hand auger to collect initial delineation soil samples from sixteen (16) locations (S-1 through S-16). Four (4) samples (S-2, S-3, S-15, S-16) were collected outside of the spill area, in each cardinal direction. The delineation samples were collected at 0-0.5 feet bgs and from 0.5-1.0 feet bgs. Additionally, ten (10) five-point composite confirmation samples (C-1 through C-10) were collected from areas where soil was excavated to install underground flowlines prior to the release.

The soil samples were delivered under chain of custody and preservation to Eurofins Xenco Laboratories (Xenco) in Midland, Texas. Xenco analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX), total petroleum hydrocarbons (TPH), including gasoline range organics, diesel range organics, and oil range organics, and chloride by EPA SW-846 Methods 8021B and 8015M, and EPA Method M300, respectively. Table 1 presents the delineation sample laboratory analytical data summary. Table 2 presents the flowline excavation confirmation sample analytical data summary. Figure 3 presents an aerial map showing the delineation and confirmation sample locations.

Referring to Table 1, benzene, BTEX, and TPH were below the NMOCD delineation standards in Table 1 of 19.15.29 NMAC, of 10 milligrams per kilogram (mg/Kg), 50 mg/Kg, and 100 mg/kg, respectively. Chloride exceeded the NMOCD delineation criteria of 600 mg/Kg in the following delineation samples:

Sample ID	Depth (Feet)	Chloride (mg/Kg)
S-1	0.5-1.0	5,750
S-4	0.5-1.0	4,550
S-5	0.5-1.0	3,000
S-6	0.5-1.0	832
S-8	0.5-1.0	4,600
S-10	0.5-1.0	5,530

On March 13 and 16, 2023, LAI personnel used a Geoprobe® Model 7822DT direct push rig to further delineate sample locations S-1, S-4, S-5, S-6, S-8, and S-10, and collected samples from five additional sample locations (S-17, S-18, S-19, S-20, and S-21). Soil samples were collected at one (1), three (3), and five (5) feet bgs, depending on subsurface conditions, and were analyzed for BTEX, TPH and chloride. Laboratory results demonstrate the release was delineated according to the NMOCD remediation and

closure requirements for groundwater greater than 100 feet bgs. Appendix D presents the laboratory reports. Appendix E presents photographic documentation.

Referring to Table 2, the laboratory results for confirmation samples from the flowline excavation reported benzene, BTEX and TPH below the NMOCD closure criteria for groundwater greater than 100 feet bgs. The chloride concentrations were below the NMOCD closure criteria (20,000 mg/Kg) except from bottom sample C-3 that reported 37, 400 mg/Kg.

3.0 REMEDIATION PLAN

Select proposes the following remedial actions:

- Excavate soil from an area measuring about 8,086 square feet encompassing S-1, S-6, S-7, and S-10 to one (1) foot bgs.
- Excavate soil from an area measuring about 4,427 square feet encompassing S-4, S-5, S-6, and S-8 to three (3) feet bgs.
- Excavate soil from an area measuring about 442 square feet encompassing S-11 to a depth of 4.1 feet bgs.
- Excavate soil from an area measuring about 200 square feet encompassing composite confirmation sample C-3 to five (5) feet bgs.
- Collect five point composite bottom and sidewall confirmation soil samples every 200 square feet and analyze for BTEX, TPH and chloride.
- Backfill excavation with topsoil and caliche assuming achievement of NMOCD closure criteria.
- Prepare report with photographs for submittal to NMOCD District 1.

Figure 4 presents the proposed excavation areas.

Tables

Table 1
Soil Sample Analytical Data Summary
Select Energy - Salado Draw Pad 415
Lea County, New Mexico
32°01'20.42"N, 103°37'47.01"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Standard (Table 1 of 19.15.29 NMAC):				**10**	**50**				**100/2,500**	**600/20,000**
S-1	0-0.5	09/20/2022	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	**4,980**
	0.5-1	09/20/2022	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	**5,750**
	0-1	03/15/2023	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	56.1
	3	03/15/2023	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	239
	5	03/15/2023	In-Situ	<0.00114	< 0.00227	<28.4	<28.4	<28.4	<28.4	4,770
S-2	0-0.5	09/20/2022	In-Situ	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	44.4
	0.5-1	09/20/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	7.94
S-3	0-0.5	09/20/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	13.6
	0.5-1	09/20/2022	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	13.9
S-4	0-0.5	09/20/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	**7,640**
	0.5-1	09/20/2022	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	**4,550**
	0-1	03/15/2023	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	**4,230**
	3	03/15/2023	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	**3,560**
	5	03/15/2023	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	469
S-5	0-0.5	09/20/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	**5,070**
	0.5-1	09/20/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	**3,000**
	0-1	03/13/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	300
	3.00	03/13/2023	In-Situ	<0.00198	<0.00398	<50.0	<50.0	<50.0	<50.0	**968**
	5.00	03/13/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	507

Table 1
Soil Sample Analytical Data Summary
Select Energy - Salado Draw Pad 415
Lea County, New Mexico
32°01'20.42"N, 103°37'47.01"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Standard (Table 1 of 19.15.29 NMAC):				**10**	**50**				**100/2,500**	**600/20,000**
S-6	0-0.5	09/20/2022	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	**1,400**
	0.5-1	09/20/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	**832**
	0-1	03/13/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	507
	3	03/13/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	162
	5	03/13/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	15.6
S-7	0-0.5	09/20/2022	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	**9,210**
	0.5-1	09/20/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	570
S-8	0-0.5	09/20/2022	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	**4,390**
	0.5-1	09/20/2022	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	**4,600**
	0-1	03/13/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**803**
	3	03/13/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	**1,010**
	5	03/13/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	2,430
S-9	0-0.5	09/20/2022	In-Situ	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	365
	0.5-1	09/20/2022	In-Situ	<0.00101	<0.00202	<25.3	<23.5	<23.5	<23.5	198
S-10	0-0.5	09/20/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	**4,370**
	0.5-1	09/20/2022	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	**5,530**
	0-1	03/16/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	3.20
	3	03/16/2023	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	7.03
	5	03/16/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	838

Table 1
Soil Sample Analytical Data Summary
Select Energy - Salado Draw Pad 415
Lea County, New Mexico
32°01'20.42"N, 103°37'47.01"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Standard (Table 1 of 19.15.29 NMAC):				**10**	**50**				**100/2,500**	**600/20,000**
S-11	4.1-4.5	09/20/2022	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	2,510
	4.5-5	09/20/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	2,670
	0-1	03/16/2023	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	81.1
	3	03/16/2023	In-Situ	<0.00105	<0.00211	<26.3	<25.8	<25.8	<25.8	161
S-12	4.1-4.5	09/20/2022	In-Situ	<0.00108	0.00544	<26.9	<26.9	<26.9	<26.9	14,200
	4.5-5	09/20/2022	In-Situ	<0.00104	0.00533	<26.0	<26.0	<26.0	<26.0	4,410
	0-1	03/16/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	77.0
	3	03/16/2023	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	430
S-13	4.1-4.5	09/20/2022	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	3,130
	4.5-5	09/20/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	2,650
	0-1	03/14/2023	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	16.0
	3	03/14/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	11.4
S-14	4.1-4.5	09/20/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	2,650
	4.5-5	09/20/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	1,940
	0-1	03/13/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	51.2
	3	03/13/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	42.7
S-15	0-0.5	09/20/2022	In-Situ	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	3.21
	0.5-1	09/20/2022	In-Situ	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	4.78

Table 1
Soil Sample Analytical Data Summary
Select Energy - Salado Draw Pad 415
Lea County, New Mexico
32°01'20.42"N, 103°37'47.01"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Standard (Table 1 of 19.15.29 NMAC):				**10**	**50**				**100/2,500**	**600/20,000**
S-16	0-0.5	09/20/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	4.08
	0.5-1	09/20/2022	In-Situ	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	5.89
S-17	0-1	03/16/2023	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	8.23
	3	03/16/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	467
	5	03/16/2023	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	2,000
S-18	0-1	03/16/2023	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	13.6
	3	03/16/2023	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	13.3
	5	03/16/2023	In-Situ	<0.00104	<0.00208	<26	<26	<26	<26	497
S-19	0-1	03/14/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	9.10
	3	03/14/2023	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	8.10
	5	03/14/2023	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	85.5
S-20	0-1	03/14/2023	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	5.56
	3	03/14/2023	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	15.2
	5	03/14/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	16.5
S-21	0-1	03/16/2023	In-Situ	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	5.86
	3	03/16/2023	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	30.4
	5	03/16/2023	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	32.3

Table 1
Soil Sample Analytical Data Summary
Select Energy - Salado Draw Pad 415
Lea County, New Mexico
32°01'20.42"N, 103°37'47.01"W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Standard (Table 1 of 19.15.29 NMAC):				**10**	**50**				**100/2,500**	**600/20,000**

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

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)
<: parameter concentration below analytical method reporting limit
Depth in feet below ground surface (bgs)
Bold and Highlighted exceeds NMOCD remediation limits

Table 2
Confirmation Soil Sample Analytical Data Summary
Select Energy, Salado Draw Pad 415
Lea County, New Mexico
32°01'20.42"N, 103°37'47.01"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Standard (Table 1 of 19.15.29 NMAC):					**10**	**50**				**2,500**	**20,000**
C-1	Bottom	4.1	9/20/2022	In-Situ	<0.00109	**0.00982**	<27.2	<27.2	<27.2	<27.2	17,800
C-2	Bottom	4.1	9/20/2022	In-Situ	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	5,110
C-3	Bottom	4.1	9/20/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	**37,400**
C-4	Bottom	4.1	9/20/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	9,320
C-5	Bottom	4.1	9/20/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	16,400
C-6	Sidewall	0-4.1	9/20/2022	In-Situ	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	**2,950**
C-7	Sidewall	0-4.1	9/20/2022	In-Situ	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	**6,370**
C-8	Sidewall	0-4.1	9/20/2022	In-Situ	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	313
C-9	Sidewall	0-4.1	9/20/2022	In-Situ	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	**1,240**
C-10	Sidewall	0-4.1	9/20/2022	In-Situ	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	**1,800**

Notes: analysis performed by Permian Basin Enviromental Lab (PBEL), in Midland, Texas EPA SW-846 Methods 8021B (BTEX) and 8015M (TPH), and Method 300 (chloride)

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

<: parameter concentration below analytical method reporting limit

Depth in feet below ground surface (bgs)

Bold and highlighted indicate parameter concentration above NMOCD closure criteria

Figures

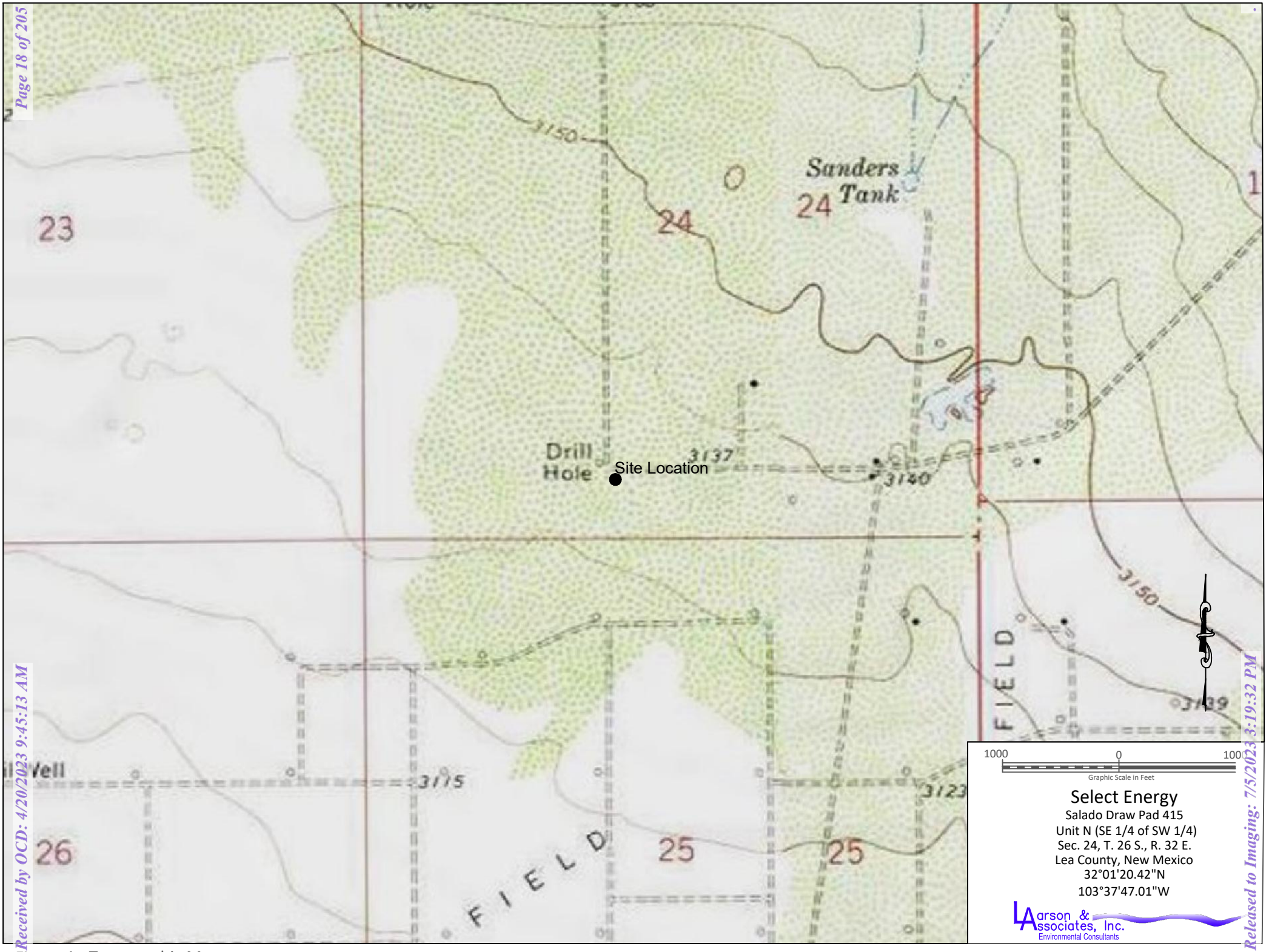

Figure 1 - Topographic Map

Figure 3 - Monitoring Well Location and Site Location

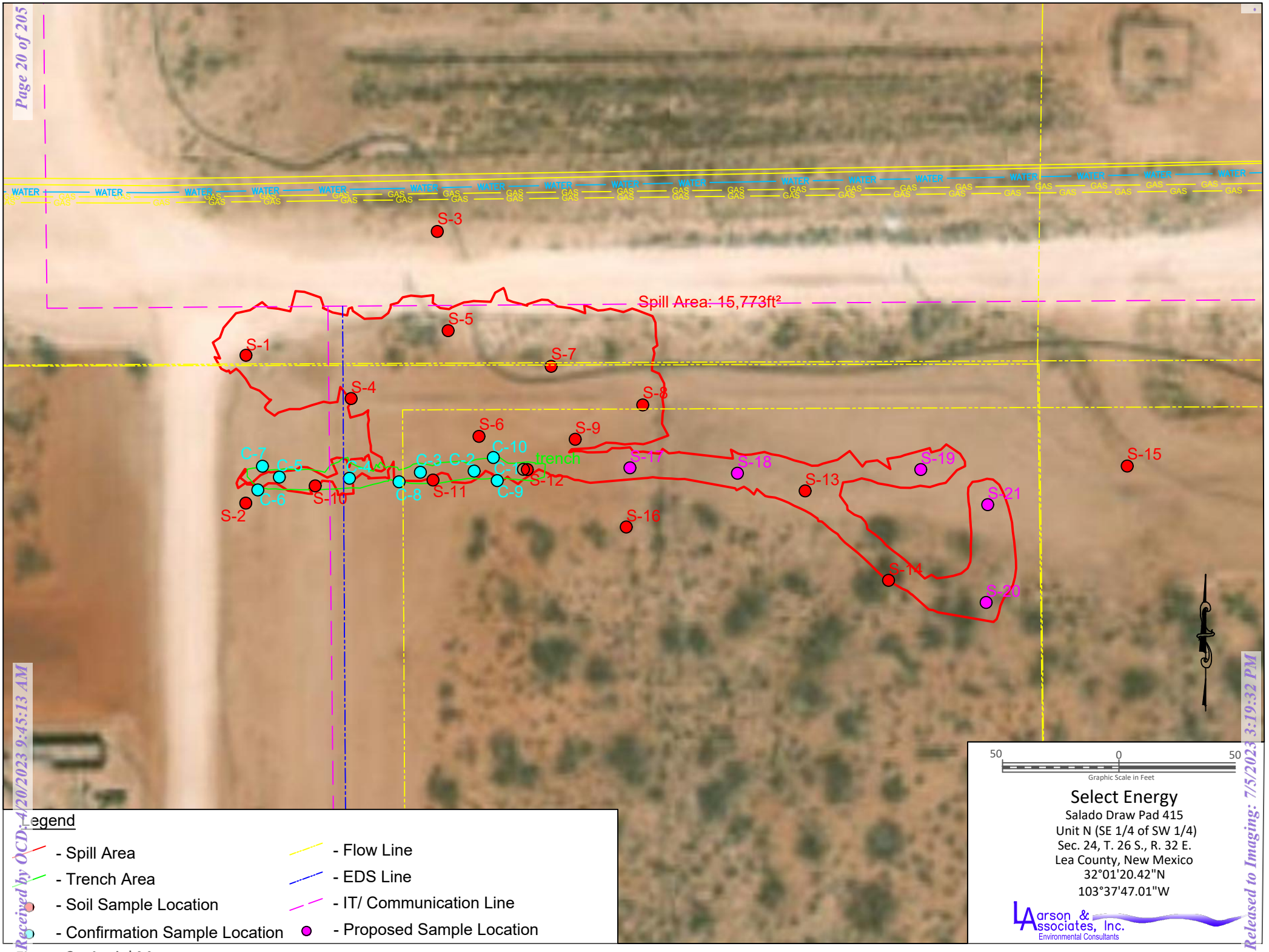

Figure 2 - Aerial Map

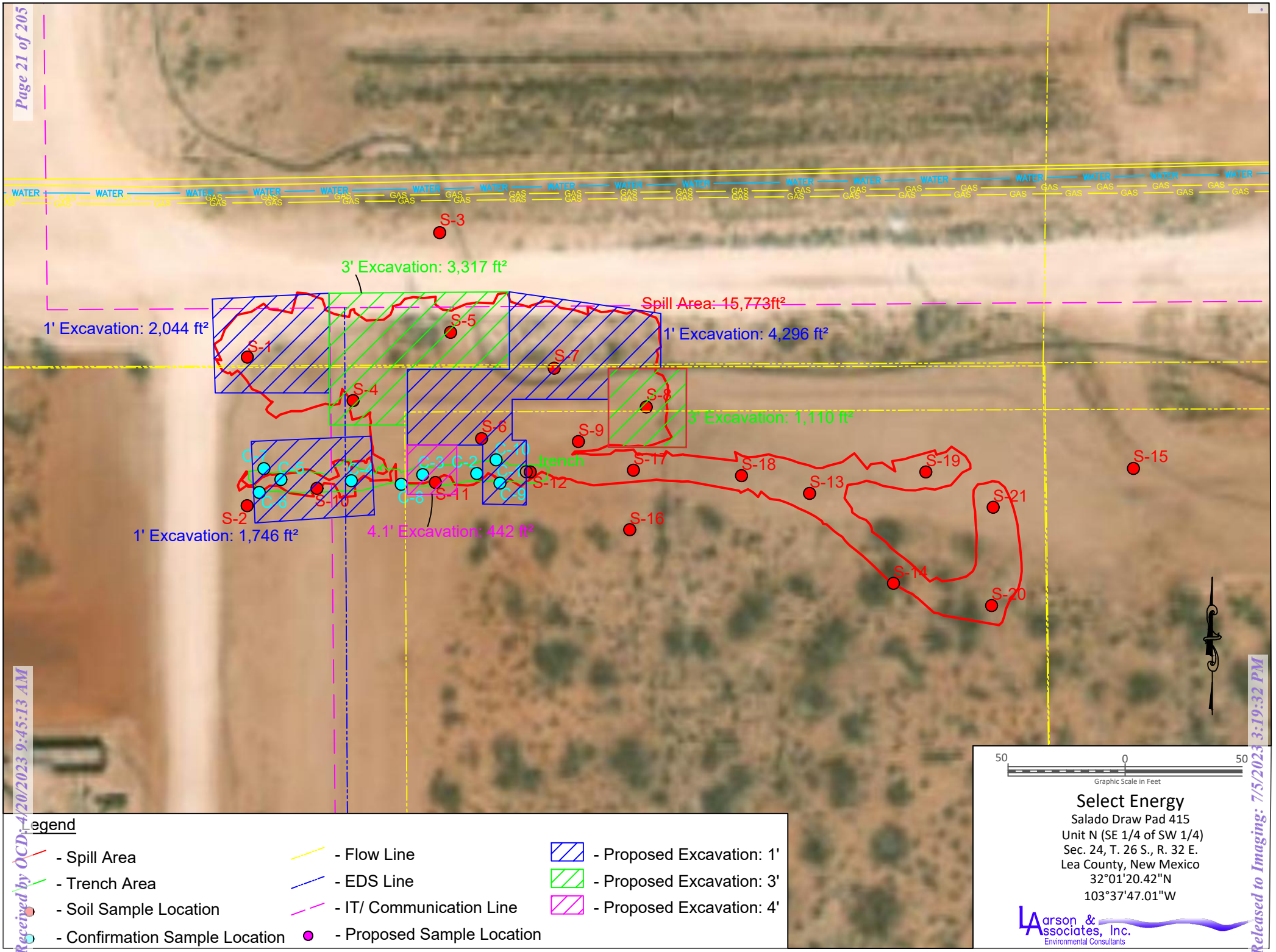

Figure 4 - Aerial Map Showing Proposed Excavation Areas

Appendix A

Initial C-141 and Spill Calculation

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Select Energy Services, LLC	OGRID: 289068
Contact Name: Halie Butler	Contact Telephone: 281-467-3153
Contact email: hbutler@selectenergyservices.com	Incident # *(assigned by OCD)*
Contact mailing address: PO Box 1715 Gainesville, TX 76241	

Location of Release Source

Latitude 32.02228 Longitude -103.63008
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Salado Draw Pad 415	Site Type: Oil
Date Release Discovered: 9-2-2022	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
N	24	26S	32E	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): 847	Volume Recovered (bbls): 125
	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: Manifold operator on pad closed the inlet valve, causing pressure to build past burst point of layflat. Inline pump upstream did shut down correctly at 90 psi, but higher pressure was seen downstream at burst location.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Release greater than 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Select Energy Services assumed responsibility of the release on 9-13-22 and Halie Bulter emailed Mike Bratcher on 9-13-2022.	

Initial Response

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

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: Halie Butler Title: Sr. Corp ENV Manager

Signature: _____ Date: _____

email: hbutler@selectenergyservices.com Telephone: 281-467-3153

OCD Only

Received by: _____ Date: _____

Area	Shape	Length in feet	Width in feet	Diameter (for circular)	Standing Depth in inches	Depth in Soil in inches	Standing Volume	In Soil Volume	Total Volume
1	Rectangle	100.00	11.00		6.000	2.000	97.96	4.90	102.86
2	Rectangle	785.00	10.00		0.250	0.250	29.13	4.37	33.50
3	Rectangle	760.00	10.00		6.000	2.000	676.81	33.84	710.65
4									
5									
6									
7									
8									
9									
10									
							Total Volume BBLS		847.00

Appendix B

Karst Risk Potential Map


Salado Draw Pad 415
Medium

Appendix C

Boring Log

BORING RECORD

Start: 10:35 MDT
Finish: 15:15

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG
	0–5	Silty Sand, 5YR 5/4, Reddish Brown, Very Fine Grained Quartz Sand, Poorly Sorted, Dry	ML	
	5–25	Caliche, 2.5YR 8/3, Pink, Very Fine Grained, Poorly Sorted, Dry	Caliche	
	25–30	Silty Sand, 5YR 5/4, Reddish Brown, Fine Grained Quartz Sand with Caliche Clasts (~10mm), Poorly Sorted	ML	
	30–39	Caliche, 2.5YR 8/3, Pink, Very Fine Grained, Poorly Sorted with Subangular Clasts (~10mm)	Caliche	
	39–60	Silty Sand, 5YR 6/4, Light Reddish Brown, Very Fine Grained Quartz Sand, Poorly Sorted with Subangular Caliche Clasts (~10mm)	ML	

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

SAMPLE

NUMBER	PID READING	RECOVERY	DEPTH
1			7
2			25
3			30
4			39

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

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

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 04-14-2020
BORING NUMBER : SB-01

JOB NUMBER : Chevron/ 19-0180-01
HOLE DIAMETER : 2"
LOCATION : Salado Draw 24 CTB 32.0250583°, -103.6342389°
LAI GEOLOGIST : E. Chavez
DRILLING CONTRACTOR : Scarborough
DRILLING METHOD : Air Rotary

BORING RECORD

Start: 10:35 MDT
Finish: 15:15

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING PPM X	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING
	65	Silty Sand, 5YR 5/6, Yellowish Red, Very Fine Grained, Poorly Sorted with Subangular Caliche and Black Chert Clasts (~0.5mm)	ML			5			66	SOIL : PPM SOIL : PPM
	70								70	
	75								75	
	80								80	
	85								85	
	90	Silty Sand, 5YR 4/6, Yellowish Red, Fine Grained, Poorly Sorted with Subangular Caliche (~2mm)	ML						90	
	95								95	
	100	TD:101.5' *Dry After 72 Hours*				6			100 101.5	
	105								105	

PID READING scale: 2 4 6 8 10 12 14 16 18

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

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 04-14-2020
BORING NUMBER : SB-01

JOB NUMBER : Chevron/ 19-0180-01
HOLE DIAMETER : 2"
LOCATION : Salado Draw 24 CTB 32.0250583°, -103.6342389°
LAI GEOLOGIST : E. Chavez
DRILLING CONTRACTOR : Scarborough
DRILLING METHOD : Air Rotary

Appendix D

Laboratory Reports

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Salado Draw Pad 415

Project Number: 22-0104-07

Location: New Mexico

Lab Order Number: 3C16002

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 03/24/23

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-19 @ 1'	3C16002-01	Soil	03/14/23 00:00	03-16-2023 09:00
S-19 @ 3'	3C16002-02	Soil	03/14/23 00:00	03-16-2023 09:00
S-19 @ 5'	3C16002-03	Soil	03/14/23 00:00	03-16-2023 09:00
S-13 @ 1'	3C16002-04	Soil	03/14/23 00:00	03-16-2023 09:00
S-13 @ 3'	3C16002-05	Soil	03/14/23 00:00	03-16-2023 09:00
S-20 @ 1'	3C16002-06	Soil	03/14/23 00:00	03-16-2023 09:00
S-20 @ 3'	3C16002-07	Soil	03/14/23 00:00	03-16-2023 09:00
S-20 @ 5'	3C16002-08	Soil	03/14/23 00:00	03-16-2023 09:00
S-1 @ 1'	3C16002-09	Soil	03/15/23 00:00	03-16-2023 09:00
S-1 @ 3'	3C16002-10	Soil	03/15/23 00:00	03-16-2023 09:00
S-1 @ 5'	3C16002-11	Soil	03/15/23 00:00	03-16-2023 09:00
S-4 @ 1'	3C16002-12	Soil	03/15/23 00:00	03-16-2023 09:00
S-4 @ 3'	3C16002-13	Soil	03/15/23 00:00	03-16-2023 09:00
S-4 @ 5'	3C16002-14	Soil	03/15/23 00:00	03-16-2023 09:00

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-19 @ 1'

3C16002-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3C1708	03/17/23 15:41	03/17/23 23:52	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3C1708	03/17/23 15:41	03/17/23 23:52	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3C1708	03/17/23 15:41	03/17/23 23:52	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3C1708	03/17/23 15:41	03/17/23 23:52	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3C1708	03/17/23 15:41	03/17/23 23:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/17/23 23:52*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.8 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/17/23 23:52*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 14:21	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 14:21	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 14:21	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 14:21*	*TPH 8015M*	
Surrogate: o-Terphenyl		*121 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 14:21*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 14:21	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.10**	1.03	mg/kg dry	1	P3C1901	03/19/23 13:00	03/19/23 16:53	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-19 @ 3'

3C16002-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:13	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:13	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:13	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:13	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 00:13*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.1 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 00:13*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 14:44	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 14:44	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 14:44	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.9 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 14:44*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 14:44*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 14:44	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**8.10**	1.04	mg/kg dry	1	P3C1901	03/19/23 13:00	03/19/23 17:08	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-19 @ 5'

3C16002-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:34	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:34	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:34	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:34	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 00:34*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.7 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 00:34*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 15:06	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 15:06	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 15:06	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 15:06*	*TPH 8015M*	
Surrogate: o-Terphenyl		*123 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 15:06*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 15:06	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**85.5**	1.05	mg/kg dry	1	P3C1901	03/19/23 13:00	03/19/23 17:22	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-13 @ 1'

3C16002-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:56	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:56	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:56	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:56	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 00:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.2 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 00:56*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 00:56*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 15:29	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 15:29	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 15:29	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.1 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 15:29*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 15:29*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 15:29	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**16.0**	1.05	mg/kg dry	1	P3C1901	03/19/23 13:00	03/19/23 17:36	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-13 @ 3'

3C16002-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 01:17	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 01:17	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 01:17	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 01:17	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 01:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 01:17*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 01:17*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 15:52	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 15:52	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 15:52	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 15:52*	*TPH 8015M*	
Surrogate: o-Terphenyl		*121 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 15:52*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 15:52	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**11.4**	1.03	mg/kg dry	1	P3C1901	03/19/23 13:00	03/19/23 17:51	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-20 @ 1'

3C16002-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 01:38	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 01:38	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 01:38	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 01:38	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 01:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.5 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 01:38*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 01:38*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 16:14	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 16:14	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 16:14	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.0 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 16:14*	*TPH 8015M*	
Surrogate: o-Terphenyl		*117 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 16:14*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 16:14	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5.56**	1.05	mg/kg dry	1	P3C1901	03/19/23 13:00	03/19/23 18:05	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-20 @ 3'

3C16002-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:00	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:00	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:00	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:00	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:00	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.8 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 02:00*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 02:00*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 17:22	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 17:22	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 17:22	TPH 8015M	
Surrogate: 1-Chlorooctane		*97.4 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 17:22*	*TPH 8015M*	
Surrogate: o-Terphenyl		*117 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 17:22*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 17:22	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**15.2**	1.08	mg/kg dry	1	P3C1901	03/19/23 13:00	03/19/23 18:48	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-20 @ 5'

3C16002-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:21	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:21	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:21	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:21	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 02:21*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 02:21*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 17:44	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 17:44	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 17:44	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.8 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 17:44*	*TPH 8015M*	
Surrogate: o-Terphenyl		*117 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 17:44*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 17:44	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**16.5**	1.03	mg/kg dry	1	P3C1901	03/19/23 13:00	03/19/23 19:02	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-1 @ 1'

3C16002-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:42	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:42	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:42	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:42	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1708	03/17/23 15:41	03/18/23 02:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 02:42*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.1 %*	*80-120*		*P3C1708*	*03/17/23 15:41*	*03/18/23 02:42*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 18:07	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 18:07	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 18:07	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.7 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 18:07*	*TPH 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 18:07*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 18:07	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**56.1**	1.05	mg/kg dry	1	P3C1901	03/19/23 13:00	03/19/23 19:17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-1 @ 3'

3C16002-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 05:34	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 05:34	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 05:34	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 05:34	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 05:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.0 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 05:34*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 05:34*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 18:29	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 18:29	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 18:29	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.3 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 18:29*	*TPH 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 18:29*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 18:29	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**239**	1.09	mg/kg dry	1	P3C1901	03/19/23 13:00	03/19/23 19:31	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-1 @ 5'

3C16002-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00114	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 05:55	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 05:55	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 05:55	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 05:55	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 05:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 05:55*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.5 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 05:55*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.4	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 18:51	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 18:51	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 18:51	TPH 8015M	
Surrogate: 1-Chlorooctane		*97.4 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 18:51*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 18:51*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 18:51	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4770**	11.4	mg/kg dry	10	P3C1901	03/19/23 13:00	03/19/23 19:45	EPA 300.0	
% Moisture	**12.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-4 @ 1'

3C16002-12 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:17	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:17	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:17	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:17	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.1 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 06:17*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 06:17*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 19:14	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 19:14	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 19:14	TPH 8015M	
Surrogate: 1-Chlorooctane		*97.4 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 19:14*	*TPH 8015M*	
Surrogate: o-Terphenyl		*115 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 19:14*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 19:14	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4230**	10.6	mg/kg dry	10	P3C1901	03/19/23 13:00	03/19/23 20:29	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-4 @ 3'

3C16002-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:38	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:38	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:38	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:38	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.3 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 06:38*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 06:38*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 19:36	TPH 8015M	
>C12-C28	**28.3**	26.9	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 19:36	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 19:36	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.9 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 19:36*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 19:36*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**28.3**	26.9	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 19:36	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3560**	10.8	mg/kg dry	10	P3C1901	03/19/23 13:00	03/19/23 20:43	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-4 @ 5'

3C16002-14 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:59	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:59	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:59	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:59	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 06:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 06:59*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.6 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 06:59*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 19:58	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 19:58	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3C2015	03/20/23 15:00	03/23/23 19:58	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.7 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 19:58*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P3C2015*	*03/20/23 15:00*	*03/23/23 19:58*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/20/23 15:00	03/23/23 19:58	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**469**	1.08	mg/kg dry	1	P3C1901	03/19/23 13:00	03/19/23 20:57	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3C1707	03/17/23 15:52	03/17/23 16:04	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1708 - * DEFAULT PREP *** **										
Blank (P3C1708-BLK1)				Prepared & Analyzed: 03/17/23						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.0*	*80-120*			
LCS (P3C1708-BS1)				Prepared & Analyzed: 03/17/23						
Benzene	0.111	0.00100	mg/kg	0.100		111	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.193	0.00200	"	0.200		96.7	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
LCS Dup (P3C1708-BSD1)				Prepared & Analyzed: 03/17/23						
Benzene	0.112	0.00100	mg/kg	0.100		112	80-120	1.03	20	
Toluene	0.109	0.00100	"	0.100		109	80-120	2.01	20	
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120	2.04	20	
Xylene (p/m)	0.197	0.00200	"	0.200		98.4	80-120	1.78	20	
Xylene (o)	0.105	0.00100	"	0.100		105	80-120	1.77	20	
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*105*	*80-120*			
Calibration Blank (P3C1708-CCB1)				Prepared & Analyzed: 03/17/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.130		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.5*	*80-120*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1708 - * DEFAULT PREP *** **										
Calibration Blank (P3C1708-CCB2)				Prepared & Analyzed: 03/17/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.120		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*98.9*	*80-120*			
Calibration Blank (P3C1708-CCB3)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.130		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Calibration Check (P3C1708-CCV1)				Prepared & Analyzed: 03/17/23						
Benzene	0.0996	0.00100	mg/kg	0.100		99.6	80-120			
Toluene	0.0951	0.00100	"	0.100		95.1	80-120			
Ethylbenzene	0.0929	0.00100	"	0.100		92.9	80-120			
Xylene (p/m)	0.172	0.00200	"	0.200		86.1	80-120			
Xylene (o)	0.0924	0.00100	"	0.100		92.4	80-120			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*75-125*			
Calibration Check (P3C1708-CCV2)				Prepared & Analyzed: 03/17/23						
Benzene	0.103	0.00100	mg/kg	0.100		103	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.0980	0.00100	"	0.100		98.0	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		89.2	80-120			
Xylene (o)	0.0966	0.00100	"	0.100		96.6	80-120			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*107*	*75-125*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1708 - * DEFAULT PREP *** **										
Calibration Check (P3C1708-CCV3)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		90.9	80-120			
Xylene (o)	0.0999	0.00100	"	0.100		99.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*75-125*			
Matrix Spike (P3C1708-MS1)		**Source: 3C17007-01**		Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.0868	0.00114	mg/kg dry	0.114	ND	76.4	80-120			QM-05
Toluene	0.0786	0.00114	"	0.114	ND	69.2	80-120			QM-05
Ethylbenzene	0.0752	0.00114	"	0.114	ND	66.2	80-120			QM-05
Xylene (p/m)	0.130	0.00227	"	0.227	ND	57.0	80-120			QM-05
Xylene (o)	0.0674	0.00114	"	0.114	ND	59.3	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.152*		*"*	*0.136*		*111*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.133*		*"*	*0.136*		*97.7*	*80-120*			
Matrix Spike Dup (P3C1708-MSD1)		**Source: 3C17007-01**		Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.0872	0.00114	mg/kg dry	0.114	ND	76.7	80-120	0.457	20	QM-05
Toluene	0.0805	0.00114	"	0.114	ND	70.8	80-120	2.31	20	QM-05
Ethylbenzene	0.0769	0.00114	"	0.114	ND	67.7	80-120	2.21	20	QM-05
Xylene (p/m)	0.132	0.00227	"	0.227	ND	58.2	80-120	2.00	20	QM-05
Xylene (o)	0.0688	0.00114	"	0.114	ND	60.6	80-120	2.05	20	QM-05
Surrogate: 1,4-Difluorobenzene	*0.134*		*"*	*0.136*		*97.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.152*		*"*	*0.136*		*112*	*80-120*			
Batch P3C1709 - * DEFAULT PREP *** **										
Blank (P3C1709-BLK1)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.1*	*80-120*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1709 - * DEFAULT PREP *** **										
LCS (P3C1709-BS1)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		91.8	80-120			
Xylene (o)	0.0990	0.00100	"	0.100		99.0	80-120			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*108*	*80-120*			
LCS Dup (P3C1709-BSD1)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.106	0.00100	mg/kg	0.100		106	80-120	2.03	20	
Toluene	0.102	0.00100	"	0.100		102	80-120	1.24	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120	1.24	20	
Xylene (p/m)	0.181	0.00200	"	0.200		90.7	80-120	1.26	20	
Xylene (o)	0.0976	0.00100	"	0.100		97.6	80-120	1.43	20	
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*80-120*			
Calibration Blank (P3C1709-CCB1)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.130		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Calibration Blank (P3C1709-CCB2)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.110		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1709 - * DEFAULT PREP *** **										
Calibration Check (P3C1709-CCV1)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		90.9	80-120			
Xylene (o)	0.0999	0.00100	"	0.100		99.9	80-120			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*75-125*			
Calibration Check (P3C1709-CCV2)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.112	0.00100	mg/kg	0.100		112	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.186	0.00200	"	0.200		93.0	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*106*	*75-125*			
Calibration Check (P3C1709-CCV3)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.110	0.00100	mg/kg	0.100		110	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0971	0.00100	"	0.100		97.1	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.6	80-120			
Xylene (o)	0.0974	0.00100	"	0.100		97.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.9*	*75-125*			
Matrix Spike (P3C1709-MS1)	**Source: 3C16002-10**			Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.0836	0.00109	mg/kg dry	0.109	ND	76.9	80-120			QM-05
Toluene	0.0718	0.00109	"	0.109	ND	66.0	80-120			QM-05
Ethylbenzene	0.0684	0.00109	"	0.109	ND	62.9	80-120			QM-05
Xylene (p/m)	0.126	0.00217	"	0.217	ND	58.1	80-120			QM-05
Xylene (o)	0.0768	0.00109	"	0.109	ND	70.6	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.130*		*96.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.140*		*"*	*0.130*		*107*	*80-120*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1709 - * DEFAULT PREP *** **										
Matrix Spike Dup (P3C1709-MSD1)	**Source: 3C16002-10**			Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.0862	0.00109	mg/kg dry	0.109	ND	79.3	80-120	3.07	20	QM-05
Toluene	0.0738	0.00109	"	0.109	ND	67.9	80-120	2.75	20	QM-05
Ethylbenzene	0.0706	0.00109	"	0.109	ND	64.9	80-120	3.14	20	QM-05
Xylene (p/m)	0.125	0.00217	"	0.217	ND	57.4	80-120	1.26	20	QM-05
Xylene (o)	0.0764	0.00109	"	0.109	ND	70.3	80-120	0.440	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.139*		*"*	*0.130*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.127*		*"*	*0.130*		*97.1*	*80-120*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C2015 - TX 1005										
Blank (P3C2015-BLK1)				Prepared: 03/20/23 Analyzed: 03/23/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*105*		*"*	*100*		*105*	*70-130*			
Surrogate: o-Terphenyl	*61.7*		*"*	*50.0*		*123*	*70-130*			
LCS (P3C2015-BS1)				Prepared: 03/20/23 Analyzed: 03/23/23						
C6-C12	1080	25.0	mg/kg	1300		83.0	75-125			
>C12-C28	1200	25.0	"	1300		92.5	75-125			
Surrogate: 1-Chlorooctane	*117*		*"*	*100*		*117*	*70-130*			
Surrogate: o-Terphenyl	*61.4*		*"*	*50.0*		*123*	*70-130*			
LCS Dup (P3C2015-BSD1)				Prepared: 03/20/23 Analyzed: 03/23/23						
C6-C12	1060	25.0	mg/kg	1300		81.7	75-125	1.54	20	
>C12-C28	1200	25.0	"	1300		92.3	75-125	0.235	20	
Surrogate: 1-Chlorooctane	*108*		*"*	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*59.6*		*"*	*50.0*		*119*	*70-130*			
Calibration Check (P3C2015-CCV1)				Prepared: 03/20/23 Analyzed: 03/23/23						
C6-C12	580	25.0	mg/kg	600		96.7	85-115			
>C12-C28	539	25.0	"	600		89.8	85-115			
Surrogate: 1-Chlorooctane	*107*		*"*	*100*		*107*	*70-130*			
Surrogate: o-Terphenyl	*62.7*		*"*	*50.0*		*125*	*70-130*			
Calibration Check (P3C2015-CCV2)				Prepared: 03/20/23 Analyzed: 03/23/23						
C6-C12	544	25.0	mg/kg	600		90.7	85-115			
>C12-C28	565	25.0	"	600		94.1	85-115			
Surrogate: 1-Chlorooctane	*128*		*"*	*100*		*128*	*70-130*			
Surrogate: o-Terphenyl	*62.2*		*"*	*50.0*		*124*	*70-130*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C2015 - TX 1005										
Duplicate (P3C2015-DUP1)	**Source: 3C15002-01**		Prepared: 03/20/23 Analyzed: 03/23/23							
C6-C12	61.9	25.8	mg/kg dry		60.3			2.65	20	
>C12-C28	363	25.8	"		380			4.67	20	
Surrogate: 1-Chlorooctane	*109*		*"*	*103*		*106*	*70-130*			
Surrogate: o-Terphenyl	*64.3*		*"*	*51.5*		*125*	*70-130*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1707 - * DEFAULT PREP *** **										
Blank (P3C1707-BLK1)				Prepared & Analyzed: 03/17/23						
% Moisture	ND	0.1	%							
Duplicate (P3C1707-DUP1)		**Source: 3C16001-10**		Prepared & Analyzed: 03/17/23						
% Moisture	15.0	0.1	%		12.0			22.2	20	R
Duplicate (P3C1707-DUP2)		**Source: 3C16001-21**		Prepared & Analyzed: 03/17/23						
% Moisture	11.0	0.1	%		14.0			24.0	20	R
Duplicate (P3C1707-DUP3)		**Source: 3C16002-10**		Prepared & Analyzed: 03/17/23						
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P3C1707-DUP4)		**Source: 3C16003-06**		Prepared & Analyzed: 03/17/23						
% Moisture	14.0	0.1	%		14.0			0.00	20	
Duplicate (P3C1707-DUP5)		**Source: 3C16007-10**		Prepared & Analyzed: 03/17/23						
% Moisture	13.0	0.1	%		13.0			0.00	20	
Batch P3C1901 - * DEFAULT PREP *** **										
Blank (P3C1901-BLK1)				Prepared & Analyzed: 03/19/23						
Chloride	ND	1.00	mg/kg							
LCS (P3C1901-BS1)				Prepared: 03/19/23 Analyzed: 03/20/23						
Chloride	18.6		mg/kg	20.0		93.2	90-110			
LCS Dup (P3C1901-BSD1)				Prepared: 03/19/23 Analyzed: 03/20/23						
Chloride	18.6		mg/kg	20.0		92.8	90-110	0.495	10	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1901 - * DEFAULT PREP *** **										
Calibration Check (P3C1901-CCV1)				Prepared: 03/19/23 Analyzed: 03/20/23						
Chloride	18.7		mg/kg	20.0		93.6	90-110			
Calibration Check (P3C1901-CCV2)				Prepared & Analyzed: 03/19/23						
Chloride	18.8		mg/kg	20.0		94.2	90-110			
Matrix Spike (P3C1901-MS1)		**Source: 3C15001-29**		Prepared & Analyzed: 03/19/23						
Chloride	318		mg/kg	100	234	84.5	80-120			
Matrix Spike (P3C1901-MS2)		**Source: 3C16002-11**		Prepared & Analyzed: 03/19/23						
Chloride	510		mg/kg	100	420	90.4	80-120			
Matrix Spike Dup (P3C1901-MSD1)		**Source: 3C15001-29**		Prepared & Analyzed: 03/19/23						
Chloride	355		mg/kg	100	234	121	80-120	10.9	20	QM-05
Matrix Spike Dup (P3C1901-MSD2)		**Source: 3C16002-11**		Prepared & Analyzed: 03/19/23						
Chloride	531		mg/kg	100	420	111	80-120	3.95	20	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

Notes and Definitions

ROI	Received on Ice
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 3/24/2023

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

№ 1982

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: 3-15-2023 PAGE 1 OF

PO#:

LAB WORK ORDER#: 3G16002

PROJECT LOCATION OR NAME: Salado Draw 415

LAI PROJECT #: 22-0104-07 COLLECTOR: KG + JH

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MT/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 ☐ | TCLP ☐ | RCI ☐ | TOX ☐ | D.W. 200.8 ☐ | TDS ☐ | FLASHPOINT ☐ | TSS ☐ | % MOISTURE ☐ | pH ☐ | CYANIDE ☐ | HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ | PECHLORATE ☐ | CHLORIDE ☐ | ANIONS ☐ | ALKALINITY ☐

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES	FIELD NOTES
S-19, 1'	1	3-14-23		S	1				X		X	
3'	2											
5'	3											
S-13, 1'	4										X	
3'	5											
S-20, 1'	6										X	
3'	7											
5'	8											
S-1, 1'	9	3-15-23									X	
3'	10											
5'	11											
S-4, 1'	12										X	
3'	13											
5'	14											
TOTAL												

RELINQUISHED BY:(Signature) DATE/TIME 3/16 8:B RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME 3/16 9:00 RECEIVED BY: (Signature)

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

LABORATORY: Permian Basin Environmental Lab

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

LABORATORY USE ONLY:
RECEIVING TEMP: -1.8 THERM#: NCF L3
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Salado Draw Pad 415

Project Number: 22-0104-07

Location: New Mexico

Lab Order Number: 2I21002

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/28/22

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-10 (0-4.1)	2I21002-01	Soil	09/20/22 12:45	09-21-2022 10:10
C-9 (0-4.1)	2I21002-02	Soil	09/20/22 12:50	09-21-2022 10:10
C-8 (0-4.1)	2I21002-03	Soil	09/20/22 12:53	09-21-2022 10:10
C-7 (0-4.1)	2I21002-04	Soil	09/20/22 12:56	09-21-2022 10:10
C-6 (0-4.1)	2I21002-05	Soil	09/20/22 12:59	09-21-2022 10:10
C-5 (4.1)	2I21002-06	Soil	09/20/22 13:02	09-21-2022 10:10
C-4 (4.1)	2I21002-07	Soil	09/20/22 13:05	09-21-2022 10:10
C-3 (4.1)	2I21002-08	Soil	09/20/22 13:10	09-21-2022 10:10
C-2 (4.1)	2I21002-09	Soil	09/20/22 13:12	09-21-2022 10:10
C-1 (4.1)	2I21002-10	Soil	09/20/22 13:14	09-21-2022 10:10
S-16 (0.5-1)	2I21002-11	Soil	09/20/22 13:20	09-21-2022 10:10
S-16 (0-0.5)	2I21002-12	Soil	09/20/22 13:25	09-21-2022 10:10
S-15 (0.5-1)	2I21002-13	Soil	09/20/22 13:45	09-21-2022 10:10
S-15 (0-0.5)	2I21002-14	Soil	09/20/22 13:40	09-21-2022 10:10
S-14 (4.5-5)	2I21002-15	Soil	09/20/22 14:30	09-21-2022 10:10
S-14 (4.1-4.5)	2I21002-16	Soil	09/20/22 14:20	09-21-2022 10:10
S-13 (4.1-4.5)	2I21002-18	Soil	09/20/22 14:35	09-21-2022 10:10
S-12 (4.5-5)	2I21002-19	Soil	09/20/22 14:56	09-21-2022 10:10
S-12 (4.1-4.5)	2I21002-20	Soil	09/20/22 14:50	09-21-2022 10:10
S-11 (4.5-5)	2I21002-21	Soil	09/20/22 15:20	09-21-2022 10:10
S-11 (4.1-4.5)	2I21002-22	Soil	09/20/22 15:10	09-21-2022 10:10
S-10 (4.5-5)	2I21002-23	Soil	09/20/22 10:05	09-21-2022 10:10
S-10 (4.1-4.5)	2I21002-24	Soil	09/20/22 10:10	09-21-2022 10:10
S-9 (0.5-1)	2I21002-25	Soil	09/20/22 10:20	09-21-2022 10:10
S-9 (0-0.5)	2I21002-26	Soil	09/20/22 10:13	09-21-2022 10:10
S-8 (0.5-1)	2I21002-27	Soil	09/20/22 10:25	09-21-2022 10:10
S-8 (0-0.5)	2I21002-28	Soil	09/20/22 10:30	09-21-2022 10:10
S-7 (0.5-1)	2I21002-29	Soil	09/20/22 10:40	09-21-2022 10:10
S-7 (0-0.5)	2I21002-30	Soil	09/20/22 10:35	09-21-2022 10:10
S-6(0.5-1)	2I21002-31	Soil	09/20/22 10:59	09-21-2022 10:10
S-6 (0-0.5)	2I21002-32	Soil	09/20/22 10:50	09-21-2022 10:10
S-5 (0.5-1)	2I21002-33	Soil	09/20/22 11:20	09-21-2022 10:10
S-5 (0-0.5)	2I21002-34	Soil	09/20/22 11:10	09-21-2022 10:10
S-4 (0.5-1)	2I21002-35	Soil	09/20/22 11:30	09-21-2022 10:10

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-4 (0-0.5)	2I21002-36	Soil	09/20/22 11:40	09-21-2022 10:10
S-3 (0.5-1)	2I21002-37	Soil	09/20/22 12:00	09-21-2022 10:10
S-3 (0-0.5)	2I21002-38	Soil	09/20/22 11:50	09-21-2022 10:10
S-2 (0.5-1)	2I21002-39	Soil	09/20/22 12:15	09-21-2022 10:10
S-2 (0-0.5)	2I21002-40	Soil	09/20/22 12:10	09-21-2022 10:10
S-1 (0.5-1)	2I21002-41	Soil	09/20/22 12:35	09-21-2022 10:10
S-1 (0-0.5)	2I21002-42	Soil	09/20/22 12:25	09-21-2022 10:10

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

C-10 (0-4.1)

2I21002-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 12:41	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 12:41	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 12:41	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 12:41	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 12:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 12:41*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.1 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 12:41*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1800**	5.00	mg/kg dry	5	P2I2206	09/22/22 09:50	09/23/22 09:18	EPA 300.0	
% Moisture	ND	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 09:30	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 09:30	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 09:30	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.1 %*	*70-130*		*P2I2208*	*09/21/22 15:30*	*09/23/22 09:30*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.3 %*	*70-130*		*P2I2208*	*09/21/22 15:30*	*09/23/22 09:30*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/21/22 15:30	09/23/22 09:30	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

C-9 (0-4.1)

2I21002-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:02	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:02	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:02	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:02	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*89.2 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 13:02*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 13:02*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1240**	5.05	mg/kg dry	5	P2I2206	09/22/22 09:50	09/23/22 09:31	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 09:53	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 09:53	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 09:53	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.7 %*	*70-130*		*P2I2208*	*09/21/22 15:30*	*09/23/22 09:53*	*TPH 8015M*	
Surrogate: o-Terphenyl		*106 %*	*70-130*		*P2I2208*	*09/21/22 15:30*	*09/23/22 09:53*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/21/22 15:30	09/23/22 09:53	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

C-8 (0-4.1)

2I21002-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:24	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:24	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:24	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:24	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 13:24*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.0 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 13:24*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**313**	1.00	mg/kg dry	1	P2I2204	09/22/22 09:46	09/22/22 11:26	EPA 300.0	
% Moisture	ND	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 10:15	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 10:15	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 10:15	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.7 %*	*70-130*		*P2I2208*	*09/21/22 15:30*	*09/23/22 10:15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P2I2208*	*09/21/22 15:30*	*09/23/22 10:15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/21/22 15:30	09/23/22 10:15	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

C-7 (0-4.1)

2I21002-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:45	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:45	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:45	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:45	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 13:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*90.0 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 13:45*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 13:45*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6370**	25.0	mg/kg dry	25	P2I2317	09/23/22 16:40	09/23/22 19:24	EPA 300.0	
% Moisture	ND	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 10:37	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 10:37	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 10:37	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.9 %*	*70-130*		*P2I2208*	*09/21/22 15:30*	*09/23/22 10:37*	*TPH 8015M*	
Surrogate: o-Terphenyl		*92.4 %*	*70-130*		*P2I2208*	*09/21/22 15:30*	*09/23/22 10:37*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/21/22 15:30	09/23/22 10:37	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

C-6 (0-4.1)

2I21002-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:07	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:07	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:07	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:07	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*90.0 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 14:07*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*115 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 14:07*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2950**	10.0	mg/kg dry	10	P2I2317	09/23/22 16:40	09/26/22 08:48	EPA 300.0	
% Moisture	ND	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 10:59	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 10:59	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P2I2208	09/21/22 15:30	09/23/22 10:59	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.9 %*	*70-130*		*P2I2208*	*09/21/22 15:30*	*09/23/22 10:59*	*TPH 8015M*	
Surrogate: o-Terphenyl		*97.7 %*	*70-130*		*P2I2208*	*09/21/22 15:30*	*09/23/22 10:59*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/21/22 15:30	09/23/22 10:59	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

C-5 (4.1)

2I21002-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:29	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:29	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:29	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:29	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*88.5 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 14:29*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 14:29*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**16400**	51.0	mg/kg dry	50	P2I2317	09/23/22 16:40	09/26/22 09:01	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I2209	09/21/22 16:00	09/22/22 23:15	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I2209	09/21/22 16:00	09/22/22 23:15	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I2209	09/21/22 16:00	09/22/22 23:15	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.4 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/22/22 23:15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/22/22 23:15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/21/22 16:00	09/22/22 23:15	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

C-4 (4.1)

2I21002-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:50	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:50	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:50	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:50	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 14:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*89.3 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 14:50*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 14:50*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9320**	51.0	mg/kg dry	50	P2I2317	09/23/22 16:40	09/26/22 09:14	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I2209	09/21/22 16:00	09/22/22 23:38	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I2209	09/21/22 16:00	09/22/22 23:38	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I2209	09/21/22 16:00	09/22/22 23:38	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.0 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/22/22 23:38*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/22/22 23:38*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/21/22 16:00	09/22/22 23:38	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

C-3 (4.1)

2I21002-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 15:12	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 15:12	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 15:12	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 15:12	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I2311	09/23/22 12:28	09/24/22 15:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*87.3 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 15:12*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P2I2311*	*09/23/22 12:28*	*09/24/22 15:12*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**37400**	102	mg/kg dry	100	P2I2317	09/23/22 16:40	09/26/22 09:28	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 00:01	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 00:01	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 00:01	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.8 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 00:01*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 00:01*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 00:01	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

C-2 (4.1)

2I21002-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:13	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:13	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:13	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:13	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 14:13*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.6 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 14:13*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5210**	25.3	mg/kg dry	25	P2I2317	09/23/22 16:40	09/26/22 09:41	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 00:24	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 00:24	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 00:24	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.7 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 00:24*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 00:24*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 00:24	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

C-1 (4.1)

2I21002-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:35	EPA 8021B	
Toluene	**0.00213**	0.00109	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:35	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:35	EPA 8021B	
Xylene (p/m)	**0.00641**	0.00217	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:35	EPA 8021B	
Xylene (o)	**0.00128**	0.00109	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*88.9 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 14:35*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 14:35*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**17800**	54.3	mg/kg dry	50	P2I2317	09/23/22 16:40	09/26/22 10:21	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 00:48	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 00:48	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 00:48	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.9 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 00:48*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 00:48*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 00:48	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-16 (0.5-1)

2I21002-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:56	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:56	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:56	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:56	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 14:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*117 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 14:56*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.0 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 14:56*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5.89**	1.00	mg/kg dry	1	P2I2317	09/23/22 16:40	09/26/22 11:01	EPA 300.0	
% Moisture	ND	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 01:11	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 01:11	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 01:11	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.3 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 01:11*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.8 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 01:11*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 01:11	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-16 (0-0.5)

2I21002-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 15:18	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 15:18	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 15:18	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 15:18	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 15:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*88.7 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 15:18*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 15:18*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.08**	1.02	mg/kg dry	1	P2I2317	09/23/22 16:40	09/26/22 11:14	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 01:35	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 01:35	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 01:35	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.2 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 01:35*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 01:35*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 01:35	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-15 (0.5-1)

2I21002-13 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 15:39	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 15:39	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 15:39	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 15:39	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 15:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 15:39*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.3 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 15:39*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.78**	1.00	mg/kg dry	1	P2I2317	09/23/22 16:40	09/26/22 11:28	EPA 300.0	
% Moisture	ND	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 01:59	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 01:59	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 01:59	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.2 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 01:59*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 01:59*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 01:59	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-15 (0-0.5)

2I21002-14 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:01	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:01	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:01	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:01	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*88.5 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 16:01*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 16:01*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.21**	1.00	mg/kg dry	1	P2I2317	09/23/22 16:40	09/26/22 11:41	EPA 300.0	
% Moisture	ND	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 02:22	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 02:22	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 02:22	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.9 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 02:22*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.1 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 02:22*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 02:22	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-14 (4.5-5)

2I21002-15 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:23	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:23	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:23	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:23	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*88.5 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 16:23*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 16:23*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1940**	10.4	mg/kg dry	10	P2I2317	09/23/22 16:40	09/26/22 11:54	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 02:46	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 02:46	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 02:46	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 02:46*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 02:46*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 02:46	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-14 (4.1-4.5)

2I21002-16 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:44	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:44	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:44	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:44	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 16:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*115 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 16:44*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.8 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 16:44*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2650**	10.4	mg/kg dry	10	P2I2317	09/23/22 16:40	09/26/22 12:08	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 03:57	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 03:57	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 03:57	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.7 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 03:57*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 03:57*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 03:57	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-13 (4.1-4.5)

2I21002-18 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 17:06	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 17:06	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 17:06	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 17:06	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 17:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*88.9 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 17:06*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 17:06*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3130**	10.3	mg/kg dry	10	P2I2317	09/23/22 16:40	09/26/22 12:21	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 04:20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 04:20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 04:20	TPH 8015M	
Surrogate: 1-Chlorooctane		*78.6 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 04:20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*85.3 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 04:20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 04:20	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-12 (4.5-5)

2I21002-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 17:28	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 17:28	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 17:28	EPA 8021B	
Xylene (p/m)	**0.00343**	0.00208	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 17:28	EPA 8021B	
Xylene (o)	**0.00119**	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 17:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*88.0 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 17:28*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 17:28*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4410**	26.0	mg/kg dry	25	P2I2317	09/23/22 16:40	09/26/22 12:35	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 04:44	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 04:44	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 04:44	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.5 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 04:44*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 04:44*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 04:44	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-12 (4.1-4.5)

2I21002-20 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 18:33	EPA 8021B	
Toluene	**0.00157**	0.00108	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 18:33	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 18:33	EPA 8021B	
Xylene (p/m)	**0.00245**	0.00215	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 18:33	EPA 8021B	
Xylene (o)	**0.00142**	0.00108	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 18:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*89.2 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 18:33*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 18:33*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**14200**	53.8	mg/kg dry	50	P2I2317	09/23/22 16:40	09/26/22 12:48	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 05:08	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 05:08	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 05:08	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.5 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 05:08*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 05:08*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 05:08	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-11 (4.5-5)

2I21002-21 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 18:54	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 18:54	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 18:54	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 18:54	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 18:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*89.7 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 18:54*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*115 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 18:54*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2670**	10.4	mg/kg dry	10	P2I2318	09/23/22 16:42	09/26/22 14:08	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 05:32	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 05:32	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 05:32	TPH 8015M	
Surrogate: 1-Chlorooctane		*90.7 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 05:32*	*TPH 8015M*	
Surrogate: o-Terphenyl		*100 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 05:32*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 05:32	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-11 (4.1-4.5)

2I21002-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:16	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:16	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:16	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:16	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*90.9 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 19:16*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 19:16*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2510**	10.3	mg/kg dry	10	P2I2318	09/23/22 16:42	09/26/22 15:52	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 05:55	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 05:55	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 05:55	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.5 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 05:55*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 05:55*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 05:55	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-10 (4.5-5)

2I21002-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:37	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:37	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:37	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:37	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.6 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 19:37*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*118 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 19:37*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5530**	26.3	mg/kg dry	25	P2I2318	09/23/22 16:42	09/26/22 16:06	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 06:19	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 06:19	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 06:19	TPH 8015M	
Surrogate: 1-Chlorooctane		*85.2 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 06:19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*93.7 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 06:19*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 06:19	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-10 (4.1-4.5)

2I21002-24 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:59	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:59	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:59	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:59	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 19:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*89.7 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 19:59*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 19:59*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4370**	26.0	mg/kg dry	25	P2I2318	09/23/22 16:42	09/26/22 16:19	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 06:42	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 06:42	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 06:42	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.3 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 06:42*	*TPH 8015M*	
Surrogate: o-Terphenyl		*106 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 06:42*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 06:42	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-9 (0.5-1)

2I21002-25 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 20:20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 20:20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 20:20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 20:20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 20:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.8 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 20:20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 20:20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**198**	1.01	mg/kg dry	1	P2I2318	09/23/22 16:42	09/26/22 16:32	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 07:06	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 07:06	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 07:06	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.9 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 07:06*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 07:06*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 07:06	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-9 (0-0.5)

2I21002-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 20:41	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 20:41	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 20:41	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 20:41	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 20:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*89.2 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 20:41*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 20:41*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**365**	1.01	mg/kg dry	1	P2I2318	09/23/22 16:42	09/26/22 16:45	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 07:30	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 07:30	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2I2209	09/21/22 16:00	09/23/22 07:30	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.4 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 07:30*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P2I2209*	*09/21/22 16:00*	*09/23/22 07:30*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/21/22 16:00	09/23/22 07:30	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-8 (0.5-1)

2I21002-27 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:02	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:02	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:02	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:02	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*90.3 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 21:02*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 21:02*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4600**	26.6	mg/kg dry	25	P2I2318	09/23/22 16:42	09/26/22 16:59	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 03:32	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 03:32	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 03:32	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 03:32*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 03:32*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 03:32	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-8 (0-0.5)

2I21002-28 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:24	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:24	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:24	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:24	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 21:24*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.4 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 21:24*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4390**	10.5	mg/kg dry	10	P2I2318	09/23/22 16:42	09/26/22 17:12	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 03:54	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 03:54	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 03:54	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.5 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 03:54*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 03:54*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 03:54	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-7 (0.5-1)

2I21002-29 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:45	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:45	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:45	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:45	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I2604	09/26/22 11:05	09/26/22 21:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.8 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 21:45*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*113 %*	*80-120*		*P2I2604*	*09/26/22 11:05*	*09/26/22 21:45*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**570**	1.04	mg/kg dry	1	P2I2318	09/23/22 16:42	09/26/22 17:25	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 04:16	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 04:16	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 04:16	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 04:16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 04:16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 04:16	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-7 (0-0.5)

2I21002-30 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 00:36	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 00:36	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 00:36	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 00:36	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 00:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 00:36*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.1 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 00:36*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9210**	51.5	mg/kg dry	50	P2I2318	09/23/22 16:42	09/26/22 17:39	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 04:38	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 04:38	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 04:38	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 04:38*	*TPH 8015M*	
Surrogate: o-Terphenyl		*109 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 04:38*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 04:38	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-6(0.5-1)

2I21002-31 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 00:57	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 00:57	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 00:57	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 00:57	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 00:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*88.7 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 00:57*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 00:57*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**832**	1.04	mg/kg dry	1	P2I2318	09/23/22 16:42	09/26/22 18:18	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 05:00	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 05:00	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 05:00	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 05:00*	*TPH 8015M*	
Surrogate: o-Terphenyl		*109 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 05:00*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 05:00	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-6 (0-0.5)

2I21002-32 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 01:19	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 01:19	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 01:19	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 01:19	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 01:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*89.1 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 01:19*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 01:19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1400**	5.26	mg/kg dry	5	P2I2318	09/23/22 16:42	09/27/22 07:49	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 05:23	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 05:23	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 05:23	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 05:23*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 05:23*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 05:23	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-5 (0.5-1)

2I21002-33 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 01:41	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 01:41	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 01:41	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 01:41	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 01:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 01:41*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.0 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 01:41*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3000**	5.10	mg/kg dry	5	P2I2318	09/23/22 16:42	09/27/22 08:02	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 05:45	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 05:45	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 05:45	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 05:45*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 05:45*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 05:45	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-5 (0-0.5)

2I21002-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:02	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:02	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:02	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:02	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*90.3 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 02:02*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 02:02*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5070**	25.5	mg/kg dry	25	P2I2318	09/23/22 16:42	09/27/22 08:16	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 06:07	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 06:07	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 06:07	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 06:07*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 06:07*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 06:07	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-4 (0.5-1)

2I21002-35 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:23	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:23	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:23	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:23	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*115 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 02:23*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.0 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 02:23*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4550**	26.6	mg/kg dry	25	P2I2318	09/23/22 16:42	09/27/22 08:29	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 06:30	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 06:30	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 06:30	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 06:30*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 06:30*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 06:30	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-4 (0-0.5)

2I21002-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:45	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:45	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:45	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:45	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 02:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*90.1 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 02:45*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 02:45*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7640**	26.0	mg/kg dry	25	P2I2318	09/23/22 16:42	09/27/22 08:42	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 06:52	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 06:52	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 06:52	TPH 8015M	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 06:52*	*TPH 8015M*	
Surrogate: o-Terphenyl		*109 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 06:52*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 06:52	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-3 (0.5-1)

2I21002-37 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:06	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:06	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:06	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:06	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*90.0 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 03:06*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 03:06*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**13.9**	1.05	mg/kg dry	1	P2I2318	09/23/22 16:42	09/27/22 08:56	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 08:00	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 08:00	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 08:00	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.7 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 08:00*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 08:00*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 08:00	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-3 (0-0.5)

2I21002-38 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:28	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:28	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:28	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:28	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 03:28*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.4 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 03:28*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**13.6**	1.04	mg/kg dry	1	P2I2318	09/23/22 16:42	09/27/22 09:09	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 08:22	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 08:22	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 08:22	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.6 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 08:22*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 08:22*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 08:22	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-2 (0.5-1)

2I21002-39 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:49	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:49	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:49	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:49	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 03:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*90.9 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 03:49*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 03:49*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7.91**	1.04	mg/kg dry	1	P2I2318	09/23/22 16:42	09/27/22 09:22	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 08:44	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 08:44	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 08:44	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.7 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 08:44*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 08:44*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 08:44	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-2 (0-0.5)

2I21002-40 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 04:54	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 04:54	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 04:54	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 04:54	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 04:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 04:54*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.8 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 04:54*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**44.4**	1.01	mg/kg dry	1	P2I2318	09/23/22 16:42	09/27/22 09:35	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 09:06	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 09:06	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 09:06	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 09:06*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 09:06*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 09:06	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-1 (0.5-1)

2I21002-41 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 05:15	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 05:15	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 05:15	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 05:15	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 05:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 05:15*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.5 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 05:15*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5750**	25.8	mg/kg dry	25	P2I2319	09/23/22 16:44	09/27/22 10:55	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 09:29	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 09:29	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 09:29	TPH 8015M	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 09:29*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 09:29*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 09:29	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-1 (0-0.5)

2I21002-42 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 05:37	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 05:37	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 05:37	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 05:37	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2I2605	09/26/22 11:07	09/27/22 05:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 05:37*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.0 %*	*80-120*		*P2I2605*	*09/26/22 11:07*	*09/27/22 05:37*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4980**	25.8	mg/kg dry	25	P2I2319	09/23/22 16:44	09/27/22 11:36	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P2I2203	09/22/22 09:04	09/22/22 09:08	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 09:51	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 09:51	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2I2312	09/22/22 15:00	09/24/22 09:51	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.2 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 09:51*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P2I2312*	*09/22/22 15:00*	*09/24/22 09:51*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/22/22 15:00	09/24/22 09:51	calc	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2311 - * DEFAULT PREP *** **										
Blank (P2I2311-BLK1)				Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.103*		"	*0.120*		*85.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.123*		"	*0.120*		*102*	*80-120*			
LCS (P2I2311-BS1)				Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.225	0.00200	"	0.200		112	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*90.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.123*		"	*0.120*		*102*	*80-120*			
LCS Dup (P2I2311-BSD1)				Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.114	0.00100	mg/kg	0.100		114	80-120	3.84	20	
Toluene	0.111	0.00100	"	0.100		111	80-120	4.70	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	0.201	20	
Xylene (p/m)	0.225	0.00200	"	0.200		112	80-120	0.0712	20	
Xylene (o)	0.117	0.00100	"	0.100		117	80-120	0.752	20	
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		"	*0.120*		*92.0*	*80-120*			
Calibration Blank (P2I2311-CCB1)				Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.00		ug/kg							
Toluene	0.360		"							
Ethylbenzene	0.170		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.190		"							
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.120*		*96.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.104*		"	*0.120*		*86.8*	*80-120*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
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Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2311 - * DEFAULT PREP *** **										
Calibration Blank (P2I2311-CCB2)				Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.00		ug/kg							
Toluene	0.360		"							
Ethylbenzene	0.170		"							
Xylene (p/m)	0.280		"							
Xylene (o)	0.190		"							
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.2*	*80-120*			
Calibration Check (P2I2311-CCV1)				Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.120	0.00100	"	0.100		120	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.226	0.00200	"	0.200		113	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 1,4-Difluorobenzene	*0.0988*		*"*	*0.120*		*82.3*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.4*	*75-125*			
Calibration Check (P2I2311-CCV2)				Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.118	0.00100	"	0.100		118	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 1,4-Difluorobenzene	*0.0992*		*"*	*0.120*		*82.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.8*	*75-125*			
Calibration Check (P2I2311-CCV3)				Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		111	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 1,4-Difluorobenzene	*0.0973*		*"*	*0.120*		*81.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*100*	*75-125*			

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Midland TX, 79710	Project Manager: Mark Larson

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2311 - * DEFAULT PREP *** **										
Matrix Spike (P2I2311-MS1)	**Source: 2I20003-08**			Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.116	0.00106	mg/kg dry	0.106	ND	109	80-120			
Toluene	0.111	0.00106	"	0.106	ND	104	80-120			
Ethylbenzene	0.123	0.00106	"	0.106	ND	116	80-120			
Xylene (p/m)	0.217	0.00213	"	0.213	ND	102	80-120			
Xylene (o)	0.120	0.00106	"	0.106	ND	113	80-120			
Surrogate: 4-Bromofluorobenzene	*0.151*		*"*	*0.128*		*118*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.128*		*93.8*	*80-120*			
Matrix Spike Dup (P2I2311-MSD1)	**Source: 2I20003-08**			Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.117	0.00106	mg/kg dry	0.106	ND	110	80-120	0.814	20	
Toluene	0.110	0.00106	"	0.106	ND	104	80-120	0.549	20	
Ethylbenzene	0.119	0.00106	"	0.106	ND	112	80-120	3.45	20	
Xylene (p/m)	0.208	0.00213	"	0.213	ND	97.7	80-120	4.30	20	
Xylene (o)	0.112	0.00106	"	0.106	ND	105	80-120	6.60	20	
Surrogate: 4-Bromofluorobenzene	*0.148*		*"*	*0.128*		*116*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.128*		*95.9*	*80-120*			
Batch P2I2604 - * DEFAULT PREP *** **										
Blank (P2I2604-BLK1)				Prepared & Analyzed: 09/26/22						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2604 - * DEFAULT PREP *** **										
LCS (P2I2604-BS1)				Prepared & Analyzed: 09/26/22						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.119	0.00100	"	0.100		119	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200		114	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 1,4-Difluorobenzene	*0.102*		*"*	*0.120*		*85.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.6*	*80-120*			
LCS Dup (P2I2604-BSD1)				Prepared & Analyzed: 09/26/22						
Benzene	0.115	0.00100	mg/kg	0.100		115	80-120	3.91	20	
Toluene	0.119	0.00100	"	0.100		119	80-120	0.303	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	0.448	20	
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120	1.21	20	
Xylene (o)	0.119	0.00100	"	0.100		119	80-120	0.244	20	
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.0988*		*"*	*0.120*		*82.3*	*80-120*			
Calibration Blank (P2I2604-CCB1)				Prepared & Analyzed: 09/26/22						
Benzene	0.00		ug/kg							
Toluene	0.400		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.280		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.102*		*"*	*0.120*		*85.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.5*	*80-120*			
Calibration Blank (P2I2604-CCB2)				Prepared & Analyzed: 09/26/22						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.300		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.3*	*80-120*			

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2604 - * DEFAULT PREP *** **										
Calibration Blank (P2I2604-CCB3)				Prepared & Analyzed: 09/26/22						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.200		"							
Xylene (p/m)	0.340		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.104*		"	*0.120*		*86.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Calibration Check (P2I2604-CCV1)				Prepared & Analyzed: 09/26/22						
Benzene	0.115	0.00100	mg/kg	0.100		115	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.210	0.00200	"	0.200		105	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*90.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.115*		"	*0.120*		*96.1*	*75-125*			
Calibration Check (P2I2604-CCV2)				Prepared & Analyzed: 09/26/22						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		109	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.1*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.0993*		"	*0.120*		*82.8*	*75-125*			
Calibration Check (P2I2604-CCV3)				Prepared & Analyzed: 09/26/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		102	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.103*		"	*0.120*		*85.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.0978*		"	*0.120*		*81.5*	*75-125*			

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2604 - * DEFAULT PREP *** **										
Matrix Spike (P2I2604-MS1)	**Source: 2I21002-09**			Prepared & Analyzed: 09/26/22						
Benzene	0.114	0.00101	mg/kg dry	0.101	ND	113	80-120			
Toluene	0.105	0.00101	"	0.101	ND	104	80-120			
Ethylbenzene	0.111	0.00101	"	0.101	ND	110	80-120			
Xylene (p/m)	0.195	0.00202	"	0.202	ND	96.5	80-120			
Xylene (o)	0.102	0.00101	"	0.101	ND	101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.138*		"	*0.121*		*114*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.121*		*97.8*	*80-120*			
Matrix Spike Dup (P2I2604-MSD1)	**Source: 2I21002-09**			Prepared & Analyzed: 09/26/22						
Benzene	0.119	0.00101	mg/kg dry	0.101	ND	118	80-120	4.76	20	
Toluene	0.107	0.00101	"	0.101	ND	106	80-120	2.37	20	
Ethylbenzene	0.116	0.00101	"	0.101	ND	114	80-120	3.67	20	
Xylene (p/m)	0.200	0.00202	"	0.202	ND	99.2	80-120	2.74	20	
Xylene (o)	0.106	0.00101	"	0.101	ND	105	80-120	3.15	20	
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.121*		*95.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.133*		"	*0.121*		*110*	*80-120*			
Batch P2I2605 - * DEFAULT PREP *** **										
Blank (P2I2605-BLK1)				Prepared: 09/26/22 Analyzed: 09/27/22						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.104*		"	*0.120*		*86.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2605 - * DEFAULT PREP *** **										
LCS (P2I2605-BS1)				Prepared & Analyzed: 09/26/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.221	0.00200	"	0.200		110	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 1,4-Difluorobenzene	*0.106*		"	*0.120*		*88.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
LCS Dup (P2I2605-BSD1)				Prepared & Analyzed: 09/26/22						
Benzene	0.113	0.00100	mg/kg	0.100		113	80-120	4.81	20	
Toluene	0.110	0.00100	"	0.100		110	80-120	4.52	20	
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120	0.991	20	
Xylene (p/m)	0.225	0.00200	"	0.200		112	80-120	1.95	20	
Xylene (o)	0.117	0.00100	"	0.100		117	80-120	0.402	20	
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.136*		"	*0.120*		*113*	*80-120*			
Calibration Blank (P2I2605-CCB1)				Prepared & Analyzed: 09/26/22						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.200		"							
Xylene (p/m)	0.340		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.104*		"	*0.120*		*86.6*	*80-120*			
Calibration Blank (P2I2605-CCB2)				Prepared: 09/26/22 Analyzed: 09/27/22						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.290		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.104*		"	*0.120*		*86.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.0*	*80-120*			

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2605 - * DEFAULT PREP *** **										
Calibration Check (P2I2605-CCV1)				Prepared & Analyzed: 09/26/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		102	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 1,4-Difluorobenzene	*0.0978*		"	*0.120*		*81.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.103*		"	*0.120*		*85.9*	*75-125*			
Calibration Check (P2I2605-CCV2)				Prepared: 09/26/22 Analyzed: 09/27/22						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.119	0.00100	"	0.100		119	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.225	0.00200	"	0.200		113	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 4-Bromofluorobenzene	*0.123*		"	*0.120*		*102*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.101*		"	*0.120*		*84.2*	*75-125*			
Calibration Check (P2I2605-CCV3)				Prepared: 09/26/22 Analyzed: 09/27/22						
Benzene	0.118	0.00100	mg/kg	0.100		118	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		"	*0.120*		*94.5*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.0962*		"	*0.120*		*80.1*	*75-125*			
Matrix Spike (P2I2605-MS1)	**Source: 2I21002-30**			Prepared: 09/26/22 Analyzed: 09/27/22						
Benzene	0.106	0.00103	mg/kg dry	0.103	ND	103	80-120			
Toluene	0.0934	0.00103	"	0.103	ND	90.6	80-120			
Ethylbenzene	0.0819	0.00103	"	0.103	ND	79.4	80-120			QM-05
Xylene (p/m)	0.141	0.00206	"	0.206	ND	68.2	80-120			QM-05
Xylene (o)	0.0724	0.00103	"	0.103	ND	70.2	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.124*		*94.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.142*		"	*0.124*		*115*	*80-120*			

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2605 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2I2605-MSD1)	**Source: 2I21002-30**			Prepared: 09/26/22 Analyzed: 09/27/22						
Benzene	0.107	0.00103	mg/kg dry	0.103	ND	104	80-120	0.705	20	
Toluene	0.0938	0.00103	"	0.103	ND	91.0	80-120	0.451	20	
Ethylbenzene	0.0862	0.00103	"	0.103	ND	83.6	80-120	5.13	20	
Xylene (p/m)	0.149	0.00206	"	0.206	ND	72.5	80-120	6.11	20	QM-05
Xylene (o)	0.0767	0.00103	"	0.103	ND	74.4	80-120	5.78	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.147*		*"*	*0.124*		*119*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.124*		*95.5*	*80-120*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2203 - * DEFAULT PREP *** **										
Blank (P2I2203-BLK1)				Prepared & Analyzed: 09/22/22						
% Moisture	ND	0.1	%							
Blank (P2I2203-BLK2)				Prepared & Analyzed: 09/22/22						
% Moisture	ND	0.1	%							
Blank (P2I2203-BLK3)				Prepared & Analyzed: 09/22/22						
% Moisture	ND	0.1	%							
Blank (P2I2203-BLK4)				Prepared & Analyzed: 09/22/22						
% Moisture	ND	0.1	%							
Duplicate (P2I2203-DUP1)	**Source: 2I20014-01**			Prepared & Analyzed: 09/22/22						
% Moisture	1.0	0.1	%		1.0			0.00	20	
Duplicate (P2I2203-DUP2)	**Source: 2I20017-06**			Prepared & Analyzed: 09/22/22						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P2I2203-DUP3)	**Source: 2I21002-10**			Prepared & Analyzed: 09/22/22						
% Moisture	9.0	0.1	%		8.0			11.8	20	
Duplicate (P2I2203-DUP4)	**Source: 2I21002-21**			Prepared & Analyzed: 09/22/22						
% Moisture	3.0	0.1	%		4.0			28.6	20	R3
Duplicate (P2I2203-DUP5)	**Source: 2I21002-36**			Prepared & Analyzed: 09/22/22						
% Moisture	3.0	0.1	%		4.0			28.6	20	R3
Duplicate (P2I2203-DUP6)	**Source: 2I21005-03**			Prepared & Analyzed: 09/22/22						
% Moisture	7.0	0.1	%		8.0			13.3	20	

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Midland TX, 79710	Project Manager: Mark Larson

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2203 - * DEFAULT PREP *** **										
Duplicate (P2I2203-DUP7)		**Source: 2I21012-07**		Prepared & Analyzed: 09/22/22						
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P2I2203-DUP8)		**Source: 2I21012-17**		Prepared & Analyzed: 09/22/22						
% Moisture	12.0	0.1	%		13.0			8.00	20	
Batch P2I2204 - * DEFAULT PREP *** **										
Blank (P2I2204-BLK1)				Prepared & Analyzed: 09/22/22						
Chloride	ND	1.00	mg/kg							
LCS (P2I2204-BS1)				Prepared & Analyzed: 09/22/22						
Chloride	20.0		mg/kg	20.0		100	90-110			
LCS Dup (P2I2204-BSD1)				Prepared & Analyzed: 09/22/22						
Chloride	20.0		mg/kg	20.0		99.8	90-110	0.375	10	
Calibration Blank (P2I2204-CCB1)				Prepared & Analyzed: 09/22/22						
Chloride	0.0550		mg/kg							
Calibration Blank (P2I2204-CCB2)				Prepared & Analyzed: 09/22/22						
Chloride	0.171		mg/kg							
Calibration Check (P2I2204-CCV1)				Prepared & Analyzed: 09/22/22						
Chloride	19.2		mg/kg	20.0		96.2	90-110			
Calibration Check (P2I2204-CCV2)				Prepared & Analyzed: 09/22/22						
Chloride	19.6		mg/kg	20.0		97.9	90-110			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2204 - * DEFAULT PREP *** **										
Calibration Check (P2I2204-CCV3)				Prepared & Analyzed: 09/22/22						
Chloride	20.1		mg/kg	20.0		101	90-110			
Matrix Spike (P2I2204-MS1)		**Source: 2I21002-03**		Prepared & Analyzed: 09/22/22						
Chloride	700	1.00	mg/kg dry	250	313	155	80-120			QM-05
Matrix Spike (P2I2204-MS2)		**Source: 2I19008-04**		Prepared & Analyzed: 09/22/22						
Chloride	1280	6.02	mg/kg dry	301	1000	92.6	80-120			
Matrix Spike Dup (P2I2204-MSD1)		**Source: 2I21002-03**		Prepared & Analyzed: 09/22/22						
Chloride	579	1.00	mg/kg dry	250	313	107	80-120	18.9	20	
Matrix Spike Dup (P2I2204-MSD2)		**Source: 2I19008-04**		Prepared & Analyzed: 09/22/22						
Chloride	1310	6.02	mg/kg dry	301	1000	102	80-120	2.17	20	
Batch P2I2206 - * DEFAULT PREP *** **										
Blank (P2I2206-BLK1)				Prepared: 09/22/22 Analyzed: 09/23/22						
Chloride	ND	1.00	mg/kg							
LCS (P2I2206-BS1)				Prepared: 09/22/22 Analyzed: 09/23/22						
Chloride	21.0		mg/kg	20.0		105	90-110			
LCS Dup (P2I2206-BSD1)				Prepared: 09/22/22 Analyzed: 09/23/22						
Chloride	19.8		mg/kg	20.0		99.2	90-110	5.85	10	
Calibration Blank (P2I2206-CCB1)				Prepared: 09/22/22 Analyzed: 09/23/22						
Chloride	0.0510		mg/kg							

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2206 - * DEFAULT PREP *** **										
Calibration Blank (P2I2206-CCB2)				Prepared: 09/22/22 Analyzed: 09/23/22						
Chloride	0.00		mg/kg							
Calibration Check (P2I2206-CCV1)				Prepared: 09/22/22 Analyzed: 09/23/22						
Chloride	19.8		mg/kg	20.0		98.8	90-110			
Calibration Check (P2I2206-CCV2)				Prepared: 09/22/22 Analyzed: 09/23/22						
Chloride	20.1		mg/kg	20.0		100	90-110			
Calibration Check (P2I2206-CCV3)				Prepared: 09/22/22 Analyzed: 09/23/22						
Chloride	19.7		mg/kg	20.0		98.5	90-110			
Matrix Spike (P2I2206-MS1)		**Source: 2I20002-06**		Prepared: 09/22/22 Analyzed: 09/23/22						
Chloride	247	1.04	mg/kg dry	260	21.4	86.7	80-120			
Matrix Spike (P2I2206-MS2)		**Source: 2I20003-06**		Prepared: 09/22/22 Analyzed: 09/23/22						
Chloride	289	1.05	mg/kg dry	263	56.1	88.6	80-120			
Matrix Spike Dup (P2I2206-MSD1)		**Source: 2I20002-06**		Prepared: 09/22/22 Analyzed: 09/23/22						
Chloride	478	1.04	mg/kg dry	260	21.4	175	80-120	63.7	20	QM-05
Matrix Spike Dup (P2I2206-MSD2)		**Source: 2I20003-06**		Prepared: 09/22/22 Analyzed: 09/23/22						
Chloride	284	1.05	mg/kg dry	263	56.1	86.8	80-120	1.66	20	
Batch P2I2317 - * DEFAULT PREP *** **										
Blank (P2I2317-BLK1)				Prepared & Analyzed: 09/23/22						
Chloride	ND	1.00	mg/kg							

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2317 - * DEFAULT PREP *** **										
LCS (P2I2317-BS1)				Prepared & Analyzed: 09/23/22						
Chloride	19.7		mg/kg	20.0		98.5	90-110			
LCS Dup (P2I2317-BSD1)				Prepared & Analyzed: 09/23/22						
Chloride	19.9		mg/kg	20.0		99.4	90-110	0.920	10	
Calibration Blank (P2I2317-CCB1)				Prepared & Analyzed: 09/23/22						
Chloride	0.00		mg/kg							
Calibration Blank (P2I2317-CCB2)				Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	0.0750		mg/kg							
Calibration Check (P2I2317-CCV1)				Prepared & Analyzed: 09/23/22						
Chloride	19.4		mg/kg	20.0		96.9	90-110			
Calibration Check (P2I2317-CCV2)				Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	19.4		mg/kg	20.0		97.2	90-110			
Calibration Check (P2I2317-CCV3)				Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	20.9		mg/kg	20.0		104	90-110			
Matrix Spike (P2I2317-MS1)		**Source: 2I23005-04**		Prepared & Analyzed: 09/23/22						
Chloride	272	1.08	mg/kg dry	269	58.4	79.5	80-120			QM-05
Matrix Spike (P2I2317-MS2)		**Source: 2I21002-10**		Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	20700	54.3	mg/kg dry	2720	17800	107	80-120			
Matrix Spike Dup (P2I2317-MSD1)		**Source: 2I23005-04**		Prepared & Analyzed: 09/23/22						
Chloride	266	1.08	mg/kg dry	269	58.4	77.2	80-120	2.25	20	QM-05

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2317 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2I2317-MSD2)	**Source: 2I21002-10**			Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	20400	54.3	mg/kg dry	2720	17800	97.9	80-120	1.16	20	
Batch P2I2318 - * DEFAULT PREP *** **										
Blank (P2I2318-BLK1)				Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	ND	1.00	mg/kg							
LCS (P2I2318-BS1)				Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	20.6		mg/kg	20.0		103	90-110			
LCS Dup (P2I2318-BSD1)				Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	21.6		mg/kg	20.0		108	90-110	4.70	10	
Calibration Blank (P2I2318-CCB1)				Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	0.0460		mg/kg							
Calibration Blank (P2I2318-CCB2)				Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	0.00		mg/kg							
Calibration Check (P2I2318-CCV1)				Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	20.9		mg/kg	20.0		104	90-110			
Calibration Check (P2I2318-CCV2)				Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	21.6		mg/kg	20.0		108	90-110			
Calibration Check (P2I2318-CCV3)				Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	20.5		mg/kg	20.0		103	90-110			

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2318 - * DEFAULT PREP *** **										
Matrix Spike (P2I2318-MS1)	**Source: 2I21002-21**			Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	3120	10.4	mg/kg dry	521	2670	86.2	80-120			
Matrix Spike (P2I2318-MS2)	**Source: 2I21002-31**			Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	766	1.04	mg/kg dry	260	832	NR	80-120			QM-05
Matrix Spike Dup (P2I2318-MSD1)	**Source: 2I21002-21**			Prepared: 09/23/22 Analyzed: 09/26/22						
Chloride	3160	10.4	mg/kg dry	521	2670	95.2	80-120	1.48	20	
Matrix Spike Dup (P2I2318-MSD2)	**Source: 2I21002-31**			Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	812	1.04	mg/kg dry	260	832	NR	80-120	5.83	20	QM-05
Batch P2I2319 - * DEFAULT PREP *** **										
Blank (P2I2319-BLK1)				Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	ND	1.00	mg/kg							
LCS (P2I2319-BS1)				Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	20.7		mg/kg	20.0		103	90-110			
LCS Dup (P2I2319-BSD1)				Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	21.3		mg/kg	20.0		107	90-110	3.09	10	
Calibration Blank (P2I2319-CCB1)				Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	0.00		mg/kg							
Calibration Blank (P2I2319-CCB2)				Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	0.00		mg/kg							

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2319 - * DEFAULT PREP *** **										
Calibration Check (P2I2319-CCV1)				Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	20.5		mg/kg	20.0		103	90-110			
Calibration Check (P2I2319-CCV2)				Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	20.6		mg/kg	20.0		103	90-110			
Calibration Check (P2I2319-CCV3)				Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	20.9		mg/kg	20.0		104	90-110			
Matrix Spike (P2I2319-MS1)		**Source: 2I21002-41**		Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	7090	25.8	mg/kg dry	1290	5750	105	80-120			
Matrix Spike (P2I2319-MS2)		**Source: 2I21008-03**		Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	4360	27.5	mg/kg dry	1370	3130	89.8	80-120			
Matrix Spike Dup (P2I2319-MSD1)		**Source: 2I21002-41**		Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	7060	25.8	mg/kg dry	1290	5750	102	80-120	0.524	20	
Matrix Spike Dup (P2I2319-MSD2)		**Source: 2I21008-03**		Prepared: 09/23/22 Analyzed: 09/27/22						
Chloride	4440	27.5	mg/kg dry	1370	3130	95.4	80-120	1.76	20	

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2208 - TX 1005										
Blank (P2I2208-BLK1)				Prepared: 09/21/22 Analyzed: 09/23/22						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*102*		*"*	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*55.2*		*"*	*50.0*		*110*	*70-130*			
LCS (P2I2208-BS1)				Prepared: 09/21/22 Analyzed: 09/23/22						
C6-C12	1220	25.0	mg/kg	1000		122	75-125			
>C12-C28	1230	25.0	"	1000		123	75-125			
Surrogate: 1-Chlorooctane	*107*		*"*	*100*		*107*	*70-130*			
Surrogate: o-Terphenyl	*59.6*		*"*	*50.0*		*119*	*70-130*			
LCS Dup (P2I2208-BSD1)				Prepared: 09/21/22 Analyzed: 09/23/22						
C6-C12	1250	25.0	mg/kg	1000		125	75-125	1.98	20	
>C12-C28	1250	25.0	"	1000		125	75-125	1.69	20	
Surrogate: 1-Chlorooctane	*108*		*"*	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*59.5*		*"*	*50.0*		*119*	*70-130*			
Calibration Check (P2I2208-CCV1)				Prepared: 09/21/22 Analyzed: 09/23/22						
C6-C12	534	25.0	mg/kg	500		107	85-115			
>C12-C28	553	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	*124*		*"*	*100*		*124*	*70-130*			
Surrogate: o-Terphenyl	*57.1*		*"*	*50.0*		*114*	*70-130*			
Calibration Check (P2I2208-CCV2)				Prepared: 09/21/22 Analyzed: 09/23/22						
C6-C12	532	25.0	mg/kg	500		106	85-115			
>C12-C28	509	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	*122*		*"*	*100*		*122*	*70-130*			
Surrogate: o-Terphenyl	*54.7*		*"*	*50.0*		*109*	*70-130*			

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2208 - TX 1005										
Calibration Check (P2I2208-CCV3)				Prepared: 09/21/22 Analyzed: 09/23/22						
C6-C12	526	25.0	mg/kg	500		105	85-115			
>C12-C28	509	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	*125*		*"*	*100*		*125*	*70-130*			
Surrogate: o-Terphenyl	*55.3*		*"*	*50.0*		*111*	*70-130*			
Duplicate (P2I2208-DUP1)		**Source: 2I20017-02**		Prepared: 09/21/22 Analyzed: 09/23/22						
C6-C12	6120	258	mg/kg dry		5960			2.57	20	
>C12-C28	46100	258	"		44700			3.13	20	
Surrogate: 1-Chlorooctane	*110*		*"*	*103*		*107*	*70-130*			
Surrogate: o-Terphenyl	*61.5*		*"*	*51.5*		*119*	*70-130*			
Batch P2I2209 - TX 1005										
Blank (P2I2209-BLK1)				Prepared: 09/21/22 Analyzed: 09/22/22						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*102*		*"*	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*55.6*		*"*	*50.0*		*111*	*70-130*			
LCS (P2I2209-BS1)				Prepared: 09/21/22 Analyzed: 09/22/22						
C6-C12	1230	25.0	mg/kg	1000		123	75-125			
>C12-C28	1210	25.0	"	1000		121	75-125			
Surrogate: 1-Chlorooctane	*111*		*"*	*100*		*111*	*70-130*			
Surrogate: o-Terphenyl	*56.4*		*"*	*50.0*		*113*	*70-130*			
LCS Dup (P2I2209-BSD1)				Prepared: 09/21/22 Analyzed: 09/22/22						
C6-C12	1230	25.0	mg/kg	1000		123	75-125	0.208	20	
>C12-C28	1230	25.0	"	1000		123	75-125	1.33	20	
Surrogate: 1-Chlorooctane	*111*		*"*	*100*		*111*	*70-130*			
Surrogate: o-Terphenyl	*55.4*		*"*	*50.0*		*111*	*70-130*			

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Midland TX, 79710	Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2209 - TX 1005										
Calibration Check (P2I2209-CCV1)				Prepared: 09/21/22 Analyzed: 09/22/22						
C6-C12	507	25.0	mg/kg	500		101	85-115			
>C12-C28	574	25.0	"	500		115	85-115			
Surrogate: 1-Chlorooctane	*124*		*"*	*100*		*124*	*70-130*			
Surrogate: o-Terphenyl	*60.7*		*"*	*50.0*		*121*	*70-130*			
Calibration Check (P2I2209-CCV2)				Prepared: 09/21/22 Analyzed: 09/23/22						
C6-C12	499	25.0	mg/kg	500		99.8	85-115			
>C12-C28	538	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	*121*		*"*	*100*		*121*	*70-130*			
Surrogate: o-Terphenyl	*56.3*		*"*	*50.0*		*113*	*70-130*			
Matrix Spike (P2I2209-MS1)		**Source: 2I21002-26**		Prepared: 09/21/22 Analyzed: 09/23/22						
C6-C12	1100	25.3	mg/kg dry	1010	16.1	108	75-125			
>C12-C28	1250	25.3	"	1010	17.8	122	75-125			
Surrogate: 1-Chlorooctane	*98.1*		*"*	*101*		*97.1*	*70-130*			
Surrogate: o-Terphenyl	*55.6*		*"*	*50.5*		*110*	*70-130*			
Matrix Spike Dup (P2I2209-MSD1)		**Source: 2I21002-26**		Prepared: 09/21/22 Analyzed: 09/23/22						
C6-C12	1090	25.3	mg/kg dry	1010	16.1	107	75-125	1.06	20	
>C12-C28	1230	25.3	"	1010	17.8	120	75-125	1.88	20	
Surrogate: 1-Chlorooctane	*97.5*		*"*	*101*		*96.5*	*70-130*			
Surrogate: o-Terphenyl	*60.2*		*"*	*50.5*		*119*	*70-130*			
Batch P2I2312 - TX 1005										
Blank (P2I2312-BLK1)				Prepared: 09/22/22 Analyzed: 09/24/22						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*110*		*"*	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*59.8*		*"*	*50.0*		*120*	*70-130*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2312 - TX 1005										
LCS (P2I2312-BS1)				Prepared: 09/22/22 Analyzed: 09/24/22						
C6-C12	1020	25.0	mg/kg	1000		102	75-125			
>C12-C28	985	25.0	"	1000		98.5	75-125			
Surrogate: 1-Chlorooctane	*114*		"	*100*		*114*	*70-130*			
Surrogate: o-Terphenyl	*57.8*		"	*50.0*		*116*	*70-130*			
LCS Dup (P2I2312-BSD1)				Prepared: 09/22/22 Analyzed: 09/24/22						
C6-C12	1000	25.0	mg/kg	1000		100	75-125	2.20	20	
>C12-C28	969	25.0	"	1000		96.9	75-125	1.69	20	
Surrogate: 1-Chlorooctane	*114*		"	*100*		*114*	*70-130*			
Surrogate: o-Terphenyl	*63.9*		"	*50.0*		*128*	*70-130*			
Calibration Check (P2I2312-CCV1)				Prepared: 09/22/22 Analyzed: 09/24/22						
C6-C12	553	25.0	mg/kg	500		111	85-115			
>C12-C28	558	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	*126*		"	*100*		*126*	*70-130*			
Surrogate: o-Terphenyl	*55.8*		"	*50.0*		*112*	*70-130*			
Calibration Check (P2I2312-CCV2)				Prepared: 09/22/22 Analyzed: 09/24/22						
C6-C12	559	25.0	mg/kg	500		112	85-115			
>C12-C28	572	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	*126*		"	*100*		*126*	*70-130*			
Surrogate: o-Terphenyl	*56.6*		"	*50.0*		*113*	*70-130*			
Duplicate (P2I2312-DUP1)	**Source: 2I21003-02**			Prepared: 09/22/22 Analyzed: 09/24/22						
C6-C12	329	130	mg/kg dry		316			4.17	20	
>C12-C28	4680	130	"		4540			3.04	20	
Surrogate: 1-Chlorooctane	*105*		"	*104*		*101*	*70-130*			
Surrogate: o-Terphenyl	*57.8*		"	*52.1*		*111*	*70-130*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

Notes and Definitions

ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/28/2022

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project:	Salado Draw Pad 415
P.O. Box 50685	Project Number:	22-0104-07
Midland TX, 79710	Project Manager:	Mark Larson

№ 1907

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: 9/21/2022 PAGE 1 OF 3

PO#: LAB WORK ORDER#: 2I21002

PROJECT LOCATION OR NAME: Salado Draw Pad 415

LAI PROJECT #: 22-0104-07 COLLECTOR: RN+PM

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MDT/NM

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	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 (0-4.1)	1	9-20-22	~~13:14~~ 12:45	S					X		X		X	X	X													X	
C-9 (0-4.1)	2	↓	12:50	↓					↓		↓		↓	↓	↓													↓	
C-8 (0-4.1)	3		12:53																										
C-7 (0-4.1)	4		12:56																										
C-6 (0-4.1)	5		12:59																										
C-5 (4.1)	6		13:02																										
C-4 (4.1)	7		13:05																										
C-3 (4.1)	8		13:10																										
C-2 (4.1)	9		13:12																										
C-1 (4.1)	10		13:14																										
S-16 (0.5-1)	11		13:20																										
S-16 (0-0.5)	12		13:25																										
S-15 (0.5-1)	13		13:45																										
S-15 (0-0.5)	14		13:40																										
S-14 (4.5-5)	15	↓	14:30	S																									
TOTAL 15									X		X		X	X	X													X	

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
Preston Maness (signature)	9/21/22 10:10	Diana Bledsoe (signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: PBEL

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

LABORATORY USE ONLY:
RECEIVING TEMP: 4.9 5.9 THERM#: CF+1 L1
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

№ 1908

CHAIN-OF-CUSTOD

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

Data Reported to:

DATE: 9/21/2022 PAGE 2 OF 3
PO#:
LAB WORK ORDER#: 2I21002
PROJECT LOCATION OR NAME: Salado Draw Pad 415
LAI PROJECT #: 22-0104-07 COLLECTOR: RW/PM

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MDT/NM

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

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 ☒	CHLORIDE ☒	FIELD NOTES
S-14(4.3-4.5)	16	9/20/22	14:20	S					X		X		X	X	X	X	
D S-13(4.5-5) (struck through)	17		14:32														PER ROBERT NOT Collected. Remove 11:29am 9/21/22
S-13(4.1-4.5)	18		14:35														
S-12(4.5-5)	19		14:56														
S-12(4.1-4.5)	20		14:50														
S-11(4.5-5)	21		15:20														
S-11(4.1-4.5)	22		15:10														
S-10(4.5-5)	23		10:05														
S-10(4.1-4.5)	24		10:10														
S-9(0.5-1)	25		10:20														
S-9(0-0.5)	26		10:13														
S-8(0.5-1)	27		10:25														
S-8(0-0.5)	28		10:30														
S-7(0.5-1)	29		10:40														
S-7(0-0.5)	30		10:35	S													
TOTAL			15/30						X		X		X	X	X	X	

RELINQUISHED BY:(Signature) [signature] DATE/TIME 9/21/22 10:10 RECEIVED BY:(Signature) [signature]
RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)
LABORATORY: PBEL

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

LABORATORY USE ONLY:
RECEIVING TEMP: 4.9 / 5.9 THERM#: CF+1 / L1
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

№ 1909

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: 9/21/2022 PAGE 3 OF 3
PO#: ______ LAB WORK ORDER#: 2I21002
PROJECT LOCATION OR NAME: Salado Draw Pad 415
LAI PROJECT #: 22-0104-07 COLLECTOR: RN, PM

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MT/NM

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☒ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
S-6 (0.5-1)	31	9-20-22	10:59	S					X		X		X	X	X													X	
S-6 (0-0.5)	32		10:50																										
S-5 (0.5-1)	33		~~10:59~~																										
S-5 (0-0.5)	34		11:10																										
S-4 (0.5-1)	35		11:30																										
S-4 (0-0.5)	36		11:40																										
S-3 (0.5-1)	37		12:00																										
S-3 (0-0.5)	38		11:50																										
S-2 (0.5-1)	39		12:15																										
S-2 (0-0.5)	40		12:10																										
S-1 (0.5-1)	41		12:35																										
S-1 (0-0.5)	42		12:23	S					X		X		X	X	X													X	
TOTAL				42																									

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	9/21/22 10:10	[signature]
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: 4.4/5.9 THERM#: CF+1 LI
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # ______
☐ HAND DELIVERED

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/27/2023 9:53:12 AM

JOB DESCRIPTION

SD Pad 415
SDG NUMBER 22-0104-00

JOB NUMBER

880-25948-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Eurofins Midland

Job Notes

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
3/27/2023 9:53:12 AM

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

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Laboratory Job ID: 880-25948-1
SDG: 22-0104-00

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-25948-1
Project/Site: SD Pad 415 SDG: 22-0104-00

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Job ID: 880-25948-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-25948-1

Receipt
The samples were received on 3/14/2023 3:58 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 0.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-5 0-1 (880-25948-1), S-5 3' (880-25948-2), S-5 5 (880-25948-3), S-6 0-1 (880-25948-4), S-6 3' (880-25948-5), S-6 5' (880-25948-6), S-8 0-1 (880-25948-7), S-8 3' (880-25948-8), S-8 5' (880-25948-9), S-14 0-1 (880-25948-10) and S-14 3' (880-25948-11).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: S-14 0-1 (880-25948-10), S-14 3' (880-25948-11), (LCS 880-49336/1-A), (LCSD 880-49336/2-A), (880-25896-A-28-F), (880-25896-A-28-D MS) and (880-25896-A-28-E 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.

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48883 and analytical batch 880-48946 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-48883/2-A) and (LCSD 880-48883/3-A). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Client Sample ID: S-5 0-1

Lab Sample ID: 880-25948-1
Matrix: Solid
Date Collected: 03/13/23 11:00
Date Received: 03/14/23 15:58

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		03/23/23 14:58	03/25/23 02:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/23/23 14:58	03/25/23 02:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/23/23 14:58	03/25/23 02:59	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		03/23/23 14:58	03/25/23 02:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/23/23 14:58	03/25/23 02:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/23/23 14:58	03/25/23 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*03/23/23 14:58*	*03/25/23 02:59*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/23/23 14:58*	*03/25/23 02:59*	*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			03/25/23 16:16	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			03/21/23 12:49	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		03/18/23 09:47	03/20/23 11:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 11:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*03/18/23 09:47*	*03/20/23 11:19*	*1*
o-Terphenyl (Surr)	*113*		*70 - 130*	*03/18/23 09:47*	*03/20/23 11:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		5.01		mg/Kg			03/22/23 23:54	1

Client Sample ID: S-5 3'

Lab Sample ID: 880-25948-2
Matrix: Solid
Date Collected: 03/13/23 11:05
Date Received: 03/14/23 15:58

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		03/23/23 14:58	03/25/23 03:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/23/23 14:58	03/25/23 03:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/23/23 14:58	03/25/23 03:19	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/23/23 14:58	03/25/23 03:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/23/23 14:58	03/25/23 03:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/23/23 14:58	03/25/23 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*03/23/23 14:58*	*03/25/23 03:19*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*03/23/23 14:58*	*03/25/23 03:19*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Client Sample ID: S-5 3'

Date Collected: 03/13/23 11:05
Date Received: 03/14/23 15:58

Lab Sample ID: 880-25948-2

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			03/25/23 16:16	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			03/21/23 12:49	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	<50.0	U	50.0		mg/Kg		03/18/23 09:47	03/20/23 12:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/23 09:47	03/20/23 12:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/23 09:47	03/20/23 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*85*		*70 - 130*	*03/18/23 09:47*	*03/20/23 12:25*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*03/18/23 09:47*	*03/20/23 12:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**968**		5.00		mg/Kg			03/23/23 00:09	1

Client Sample ID: S-5 5

Date Collected: 03/13/23 11:10
Date Received: 03/14/23 15:58

Lab Sample ID: 880-25948-3

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		03/23/23 14:58	03/25/23 03:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/23/23 14:58	03/25/23 03:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/23/23 14:58	03/25/23 03:40	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		03/23/23 14:58	03/25/23 03:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/23/23 14:58	03/25/23 03:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/23/23 14:58	03/25/23 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*03/23/23 14:58*	*03/25/23 03:40*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/23/23 14:58*	*03/25/23 03:40*	*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			03/25/23 16:16	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			03/21/23 12:49	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		03/18/23 09:47	03/20/23 12:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 12:46	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Client Sample ID: S-5 5

Date Collected: 03/13/23 11:10
Date Received: 03/14/23 15:58

Lab Sample ID: 880-25948-3

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		03/18/23 09:47	03/20/23 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*03/18/23 09:47*	*03/20/23 12:46*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*03/18/23 09:47*	*03/20/23 12:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2040**		25.0		mg/Kg			03/23/23 00:14	5

Client Sample ID: S-6 0-1

Date Collected: 03/13/23 11:15
Date Received: 03/14/23 15:58

Lab Sample ID: 880-25948-4

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		03/23/23 14:58	03/25/23 04:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/23/23 14:58	03/25/23 04:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/23/23 14:58	03/25/23 04:00	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/23/23 14:58	03/25/23 04:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/23/23 14:58	03/25/23 04:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/23/23 14:58	03/25/23 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*03/23/23 14:58*	*03/25/23 04:00*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/23/23 14:58*	*03/25/23 04:00*	*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			03/25/23 16:16	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			03/21/23 12:49	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		03/18/23 09:47	03/20/23 13:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 13:08	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*03/18/23 09:47*	*03/20/23 13:08*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*03/18/23 09:47*	*03/20/23 13:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**507**		4.95		mg/Kg			03/23/23 00:19	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Client Sample ID: S-6 3'

Lab Sample ID: 880-25948-5
Matrix: Solid
Date Collected: 03/13/23 11:20
Date Received: 03/14/23 15:58

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		03/23/23 14:58	03/25/23 04:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 04:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 04:21	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/23/23 14:58	03/25/23 04:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 04:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/23/23 14:58	03/25/23 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*03/23/23 14:58*	*03/25/23 04:21*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/23/23 14:58*	*03/25/23 04:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/25/23 16:16	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			03/21/23 12:49	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		03/18/23 09:47	03/20/23 13:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 13:30	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*03/18/23 09:47*	*03/20/23 13:30*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*03/18/23 09:47*	*03/20/23 13:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		5.00		mg/Kg			03/23/23 00:24	1

Client Sample ID: S-6 5'

Lab Sample ID: 880-25948-6
Matrix: Solid
Date Collected: 03/13/23 11:25
Date Received: 03/14/23 15:58

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		03/23/23 14:58	03/25/23 04:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/23/23 14:58	03/25/23 04:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/23/23 14:58	03/25/23 04:41	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/23/23 14:58	03/25/23 04:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/23/23 14:58	03/25/23 04:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/23/23 14:58	03/25/23 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*03/23/23 14:58*	*03/25/23 04:41*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/23/23 14:58*	*03/25/23 04:41*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Client Sample ID: S-6 5'

Lab Sample ID: 880-25948-6
Matrix: Solid
Date Collected: 03/13/23 11:25
Date Received: 03/14/23 15:58

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			03/25/23 16:16	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			03/21/23 12:49	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	<50.0	U	50.0		mg/Kg		03/18/23 09:47	03/20/23 13:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/23 09:47	03/20/23 13:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/23 09:47	03/20/23 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*03/18/23 09:47*	*03/20/23 13:52*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*03/18/23 09:47*	*03/20/23 13:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.6**		5.00		mg/Kg			03/23/23 00:38	1

Client Sample ID: S-8 0-1

Lab Sample ID: 880-25948-7
Matrix: Solid
Date Collected: 03/13/23 12:15
Date Received: 03/14/23 15:58

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		03/23/23 14:58	03/25/23 06:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/23/23 14:58	03/25/23 06:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/23/23 14:58	03/25/23 06:31	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/23/23 14:58	03/25/23 06:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/23/23 14:58	03/25/23 06:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/23/23 14:58	03/25/23 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/23/23 14:58*	*03/25/23 06:31*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/23/23 14:58*	*03/25/23 06:31*	*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			03/25/23 16:16	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			03/21/23 12:49	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	<50.0	U	50.0		mg/Kg		03/18/23 09:47	03/20/23 14:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/23 09:47	03/20/23 14:13	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-25948-1
Project/Site: SD Pad 415 SDG: 22-0104-00

Client Sample ID: S-8 0-1 Lab Sample ID: 880-25948-7

Date Collected: 03/13/23 12:15 **Matrix: Solid**
Date Received: 03/14/23 15:58

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/23 09:47	03/20/23 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*03/18/23 09:47*	*03/20/23 14:13*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*03/18/23 09:47*	*03/20/23 14:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**803**		4.96		mg/Kg			03/23/23 00:43	1

Client Sample ID: S-8 3' Lab Sample ID: 880-25948-8

Date Collected: 03/13/23 12:20 **Matrix: Solid**
Date Received: 03/14/23 15:58

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		03/23/23 14:58	03/25/23 06:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 06:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 06:52	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		03/23/23 14:58	03/25/23 06:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 06:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/23/23 14:58	03/25/23 06:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*03/23/23 14:58*	*03/25/23 06:52*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/23/23 14:58*	*03/25/23 06:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/25/23 16:16	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			03/21/23 12:49	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		03/18/23 09:47	03/20/23 14:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 14:35	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*03/18/23 09:47*	*03/20/23 14:35*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*03/18/23 09:47*	*03/20/23 14:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1010**		4.97		mg/Kg			03/23/23 00:48	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Client Sample ID: S-8 5'

Lab Sample ID: 880-25948-9
Matrix: Solid
Date Collected: 03/13/23 12:25
Date Received: 03/14/23 15:58

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		03/23/23 14:58	03/25/23 07:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/23/23 14:58	03/25/23 07:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/23/23 14:58	03/25/23 07:12	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/23/23 14:58	03/25/23 07:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/23/23 14:58	03/25/23 07:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/23/23 14:58	03/25/23 07:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*03/23/23 14:58*	*03/25/23 07:12*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*03/23/23 14:58*	*03/25/23 07:12*	*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			03/25/23 16:16	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			03/21/23 12:49	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		03/18/23 09:47	03/20/23 14:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 14:57	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*03/18/23 09:47*	*03/20/23 14:57*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*03/18/23 09:47*	*03/20/23 14:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2430**		25.0		mg/Kg			03/23/23 00:53	5

Client Sample ID: S-14 0-1

Lab Sample ID: 880-25948-10
Matrix: Solid
Date Collected: 03/13/23 12:00
Date Received: 03/14/23 15:58

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		03/23/23 14:56	03/26/23 02:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/23/23 14:56	03/26/23 02:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/23/23 14:56	03/26/23 02:57	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		03/23/23 14:56	03/26/23 02:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/23/23 14:56	03/26/23 02:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/23/23 14:56	03/26/23 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*201*	*S1+*	*70 - 130*	*03/23/23 14:56*	*03/26/23 02:57*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*03/23/23 14:56*	*03/26/23 02:57*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Client Sample ID: S-14 0-1

Date Collected: 03/13/23 12:00
Date Received: 03/14/23 15:58

Lab Sample ID: 880-25948-10
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			03/27/23 10:35	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			03/21/23 12:49	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		03/18/23 09:47	03/20/23 15:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 15:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*93*		*70 - 130*	*03/18/23 09:47*	*03/20/23 15:26*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*03/18/23 09:47*	*03/20/23 15:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.2**		4.99		mg/Kg			03/23/23 00:57	1

Client Sample ID: S-14 3'

Date Collected: 03/13/23 12:05
Date Received: 03/14/23 15:58

Lab Sample ID: 880-25948-11
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		03/23/23 14:56	03/26/23 03:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:56	03/26/23 03:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:56	03/26/23 03:23	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/23/23 14:56	03/26/23 03:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:56	03/26/23 03:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/23/23 14:56	03/26/23 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*203*	*S1+*	*70 - 130*	*03/23/23 14:56*	*03/26/23 03:23*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*03/23/23 14:56*	*03/26/23 03:23*	*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			03/27/23 10:35	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			03/21/23 12:49	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		03/18/23 09:47	03/20/23 16:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/23 09:47	03/20/23 16:12	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Client Sample ID: S-14 3'
Date Collected: 03/13/23 12:05
Date Received: 03/14/23 15:58

Lab Sample ID: 880-25948-11
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		03/18/23 09:47	03/20/23 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*03/18/23 09:47*	*03/20/23 16:12*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*03/18/23 09:47*	*03/20/23 16:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.7**		4.95		mg/Kg			03/23/23 01:02	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

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)
880-25948-1	S-5 0-1	121	98
880-25948-2	S-5 3'	120	106
880-25948-3	S-5 5	116	104
880-25948-4	S-6 0-1	118	103
880-25948-5	S-6 3'	115	103
880-25948-6	S-6 5'	119	105
880-25948-7	S-8 0-1	114	99
880-25948-8	S-8 3'	119	103
880-25948-9	S-8 5'	117	106
880-25948-10	S-14 0-1	201 S1+	77
880-25948-11	S-14 3'	203 S1+	75
LCS 880-49336/1-A	Lab Control Sample	147 S1+	71
LCS 880-49337/1-A	Lab Control Sample	113	109
LCSD 880-49336/2-A	Lab Control Sample Dup	170 S1+	84
LCSD 880-49337/2-A	Lab Control Sample Dup	117	110
MB 880-49330/5-A	Method Blank	115	72
MB 880-49331/5-A	Method Blank	101	100
MB 880-49336/5-A	Method Blank	124	72
MB 880-49337/5-A	Method Blank	101	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-25948-1	S-5 0-1	99	113
880-25948-1 MS	S-5 0-1	89	91
880-25948-1 MSD	S-5 0-1	87	90
880-25948-2	S-5 3'	85	94
880-25948-3	S-5 5	88	99
880-25948-4	S-6 0-1	83	91
880-25948-5	S-6 3'	88	99
880-25948-6	S-6 5'	98	110
880-25948-7	S-8 0-1	98	106
880-25948-8	S-8 3'	87	99
880-25948-9	S-8 5'	87	99
880-25948-10	S-14 0-1	93	105
880-25948-11	S-14 3'	101	106
LCS 880-48883/2-A	Lab Control Sample	117	140 S1+
LCSD 880-48883/3-A	Lab Control Sample Dup	131 S1+	156 S1+
MB 880-48883/1-A	Method Blank	134 S1+	160 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49330/5-A
Matrix: Solid
Analysis Batch: 49363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49330

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/23/23 13:22	03/25/23 02:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/23 13:22	03/25/23 02:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/23 13:22	03/25/23 02:44	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/23/23 13:22	03/25/23 02:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/23 13:22	03/25/23 02:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/23/23 13:22	03/25/23 02:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*03/23/23 13:22*	*03/25/23 02:44*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*03/23/23 13:22*	*03/25/23 02:44*	*1*

Lab Sample ID: MB 880-49331/5-A
Matrix: Solid
Analysis Batch: 49375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49331

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/23/23 13:25	03/24/23 12:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/23 13:25	03/24/23 12:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/23 13:25	03/24/23 12:35	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/23/23 13:25	03/24/23 12:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/23 13:25	03/24/23 12:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/23/23 13:25	03/24/23 12:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/23/23 13:25*	*03/24/23 12:35*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/23/23 13:25*	*03/24/23 12:35*	*1*

Lab Sample ID: MB 880-49336/5-A
Matrix: Solid
Analysis Batch: 49363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49336

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:56	03/25/23 17:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:56	03/25/23 17:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:56	03/25/23 17:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/23/23 14:56	03/25/23 17:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:56	03/25/23 17:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/23/23 14:56	03/25/23 17:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*03/23/23 14:56*	*03/25/23 17:08*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*03/23/23 14:56*	*03/25/23 17:08*	*1*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

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

Lab Sample ID: LCS 880-49336/1-A
Matrix: Solid
Analysis Batch: 49363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49336

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1152		mg/Kg		115	70 - 130		
Toluene			0.100	0.09755		mg/Kg		98	70 - 130		
Ethylbenzene			0.100	0.1038		mg/Kg		104	70 - 130		
m,p-Xylenes			0.200	0.2151		mg/Kg		108	70 - 130		
o-Xylene			0.100	0.1060		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*

Lab Sample ID: LCSD 880-49336/2-A
Matrix: Solid
Analysis Batch: 49363

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49336

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1270		mg/Kg		127	70 - 130	10	35
Toluene			0.100	0.1074		mg/Kg		107	70 - 130	10	35
Ethylbenzene			0.100	0.1113		mg/Kg		111	70 - 130	7	35
m,p-Xylenes			0.200	0.2279		mg/Kg		114	70 - 130	6	35
o-Xylene			0.100	0.1134		mg/Kg		113	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*170*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: MB 880-49337/5-A
Matrix: Solid
Analysis Batch: 49375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49337

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 01:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 01:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 01:09	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/23/23 14:58	03/25/23 01:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 01:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/23/23 14:58	03/25/23 01:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/23/23 14:58*	*03/25/23 01:09*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/23/23 14:58*	*03/25/23 01:09*	*1*

Lab Sample ID: LCS 880-49337/1-A
Matrix: Solid
Analysis Batch: 49375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49337

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1049		mg/Kg		105	70 - 130		
Toluene			0.100	0.1029		mg/Kg		103	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

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

Lab Sample ID: LCS 880-49337/1-A
Matrix: Solid
Analysis Batch: 49375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49337

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylbenzene			0.100	0.09246		mg/Kg		92	70 - 130		
m,p-Xylenes			0.200	0.1835		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.09346		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-49337/2-A
Matrix: Solid
Analysis Batch: 49375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49337

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1146		mg/Kg		115	70 - 130	9	35
Toluene			0.100	0.1130		mg/Kg		113	70 - 130	9	35
Ethylbenzene			0.100	0.1006		mg/Kg		101	70 - 130	8	35
m,p-Xylenes			0.200	0.1988		mg/Kg		99	70 - 130	8	35
o-Xylene			0.100	0.1014		mg/Kg		101	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

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

Lab Sample ID: MB 880-48883/1-A
Matrix: Solid
Analysis Batch: 48946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48883

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		03/18/23 09:47	03/20/23 08:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/23 09:47	03/20/23 08:39	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/23 09:47	03/20/23 08:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*134*	*S1+*	*70 - 130*	*03/18/23 09:47*	*03/20/23 08:39*	*1*
o-Terphenyl (Surr)	*160*	*S1+*	*70 - 130*	*03/18/23 09:47*	*03/20/23 08:39*	*1*

Lab Sample ID: LCS 880-48883/2-A
Matrix: Solid
Analysis Batch: 48946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48883

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	985.4		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	936.6		mg/Kg		94	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

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

Lab Sample ID: LCS 880-48883/2-A
Matrix: Solid
Analysis Batch: 48946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48883

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	140	S1+	70 - 130

Lab Sample ID: LCSD 880-48883/3-A
Matrix: Solid
Analysis Batch: 48946

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48883

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1106		mg/Kg		111	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	1038		mg/Kg		104	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	131	S1+	70 - 130
o-Terphenyl (Surr)	156	S1+	70 - 130

Lab Sample ID: 880-25948-1 MS
Matrix: Solid
Analysis Batch: 48946

Client Sample ID: S-5 0-1
Prep Type: Total/NA
Prep Batch: 48883

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	998	847.2		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	903.5		mg/Kg		88	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	89		70 - 130
o-Terphenyl (Surr)	91		70 - 130

Lab Sample ID: 880-25948-1 MSD
Matrix: Solid
Analysis Batch: 48946

Client Sample ID: S-5 0-1
Prep Type: Total/NA
Prep Batch: 48883

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	999	826.2		mg/Kg		80	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	897.5		mg/Kg		88	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	87		70 - 130
o-Terphenyl (Surr)	90		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48966/1-A
Matrix: Solid
Analysis Batch: 49317

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			03/22/23 23:40	1

Lab Sample ID: LCS 880-48966/2-A
Matrix: Solid
Analysis Batch: 49317

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.1		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-48966/3-A
Matrix: Solid
Analysis Batch: 49317

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	258.8		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 880-25948-1 MS
Matrix: Solid
Analysis Batch: 49317

Client Sample ID: S-5 0-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	300		251	566.2		mg/Kg		106	90 - 110		

Lab Sample ID: 880-25948-1 MSD
Matrix: Solid
Analysis Batch: 49317

Client Sample ID: S-5 0-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	300		251	566.3		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-25948-11 MS
Matrix: Solid
Analysis Batch: 49317

Client Sample ID: S-14 3'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	42.7		248	272.8		mg/Kg		93	90 - 110		

Lab Sample ID: 880-25948-11 MSD
Matrix: Solid
Analysis Batch: 49317

Client Sample ID: S-14 3'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	42.7		248	273.2		mg/Kg		93	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

GC VOA

Prep Batch: 49330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49330/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 49331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49331/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 49336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25948-10	S-14 0-1	Total/NA	Solid	5035	
880-25948-11	S-14 3'	Total/NA	Solid	5035	
MB 880-49336/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49336/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49336/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 49337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25948-1	S-5 0-1	Total/NA	Solid	5035	
880-25948-2	S-5 3'	Total/NA	Solid	5035	
880-25948-3	S-5 5	Total/NA	Solid	5035	
880-25948-4	S-6 0-1	Total/NA	Solid	5035	
880-25948-5	S-6 3'	Total/NA	Solid	5035	
880-25948-6	S-6 5'	Total/NA	Solid	5035	
880-25948-7	S-8 0-1	Total/NA	Solid	5035	
880-25948-8	S-8 3'	Total/NA	Solid	5035	
880-25948-9	S-8 5'	Total/NA	Solid	5035	
MB 880-49337/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49337/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49337/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 49363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25948-10	S-14 0-1	Total/NA	Solid	8021B	49336
880-25948-11	S-14 3'	Total/NA	Solid	8021B	49336
MB 880-49330/5-A	Method Blank	Total/NA	Solid	8021B	49330
MB 880-49336/5-A	Method Blank	Total/NA	Solid	8021B	49336
LCS 880-49336/1-A	Lab Control Sample	Total/NA	Solid	8021B	49336
LCSD 880-49336/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49336

Analysis Batch: 49375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25948-1	S-5 0-1	Total/NA	Solid	8021B	49337
880-25948-2	S-5 3'	Total/NA	Solid	8021B	49337
880-25948-3	S-5 5	Total/NA	Solid	8021B	49337
880-25948-4	S-6 0-1	Total/NA	Solid	8021B	49337
880-25948-5	S-6 3'	Total/NA	Solid	8021B	49337
880-25948-6	S-6 5'	Total/NA	Solid	8021B	49337
880-25948-7	S-8 0-1	Total/NA	Solid	8021B	49337
880-25948-8	S-8 3'	Total/NA	Solid	8021B	49337
880-25948-9	S-8 5'	Total/NA	Solid	8021B	49337
MB 880-49331/5-A	Method Blank	Total/NA	Solid	8021B	49331
MB 880-49337/5-A	Method Blank	Total/NA	Solid	8021B	49337

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

GC VOA (Continued)

Analysis Batch: 49375 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-49337/1-A	Lab Control Sample	Total/NA	Solid	8021B	49337
LCSD 880-49337/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49337

Analysis Batch: 49496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25948-1	S-5 0-1	Total/NA	Solid	Total BTEX	
880-25948-2	S-5 3'	Total/NA	Solid	Total BTEX	
880-25948-3	S-5 5	Total/NA	Solid	Total BTEX	
880-25948-4	S-6 0-1	Total/NA	Solid	Total BTEX	
880-25948-5	S-6 3'	Total/NA	Solid	Total BTEX	
880-25948-6	S-6 5'	Total/NA	Solid	Total BTEX	
880-25948-7	S-8 0-1	Total/NA	Solid	Total BTEX	
880-25948-8	S-8 3'	Total/NA	Solid	Total BTEX	
880-25948-9	S-8 5'	Total/NA	Solid	Total BTEX	
880-25948-10	S-14 0-1	Total/NA	Solid	Total BTEX	
880-25948-11	S-14 3'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 48883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25948-1	S-5 0-1	Total/NA	Solid	8015NM Prep	
880-25948-2	S-5 3'	Total/NA	Solid	8015NM Prep	
880-25948-3	S-5 5	Total/NA	Solid	8015NM Prep	
880-25948-4	S-6 0-1	Total/NA	Solid	8015NM Prep	
880-25948-5	S-6 3'	Total/NA	Solid	8015NM Prep	
880-25948-6	S-6 5'	Total/NA	Solid	8015NM Prep	
880-25948-7	S-8 0-1	Total/NA	Solid	8015NM Prep	
880-25948-8	S-8 3'	Total/NA	Solid	8015NM Prep	
880-25948-9	S-8 5'	Total/NA	Solid	8015NM Prep	
880-25948-10	S-14 0-1	Total/NA	Solid	8015NM Prep	
880-25948-11	S-14 3'	Total/NA	Solid	8015NM Prep	
MB 880-48883/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48883/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48883/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25948-1 MS	S-5 0-1	Total/NA	Solid	8015NM Prep	
880-25948-1 MSD	S-5 0-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25948-1	S-5 0-1	Total/NA	Solid	8015B NM	48883
880-25948-2	S-5 3'	Total/NA	Solid	8015B NM	48883
880-25948-3	S-5 5	Total/NA	Solid	8015B NM	48883
880-25948-4	S-6 0-1	Total/NA	Solid	8015B NM	48883
880-25948-5	S-6 3'	Total/NA	Solid	8015B NM	48883
880-25948-6	S-6 5'	Total/NA	Solid	8015B NM	48883
880-25948-7	S-8 0-1	Total/NA	Solid	8015B NM	48883
880-25948-8	S-8 3'	Total/NA	Solid	8015B NM	48883
880-25948-9	S-8 5'	Total/NA	Solid	8015B NM	48883
880-25948-10	S-14 0-1	Total/NA	Solid	8015B NM	48883
880-25948-11	S-14 3'	Total/NA	Solid	8015B NM	48883

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

GC Semi VOA (Continued)

Analysis Batch: 48946 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48883/1-A	Method Blank	Total/NA	Solid	8015B NM	48883
LCS 880-48883/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48883
LCSD 880-48883/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48883
880-25948-1 MS	S-5 0-1	Total/NA	Solid	8015B NM	48883
880-25948-1 MSD	S-5 0-1	Total/NA	Solid	8015B NM	48883

Analysis Batch: 49129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25948-1	S-5 0-1	Total/NA	Solid	8015 NM	
880-25948-2	S-5 3'	Total/NA	Solid	8015 NM	
880-25948-3	S-5 5	Total/NA	Solid	8015 NM	
880-25948-4	S-6 0-1	Total/NA	Solid	8015 NM	
880-25948-5	S-6 3'	Total/NA	Solid	8015 NM	
880-25948-6	S-6 5'	Total/NA	Solid	8015 NM	
880-25948-7	S-8 0-1	Total/NA	Solid	8015 NM	
880-25948-8	S-8 3'	Total/NA	Solid	8015 NM	
880-25948-9	S-8 5'	Total/NA	Solid	8015 NM	
880-25948-10	S-14 0-1	Total/NA	Solid	8015 NM	
880-25948-11	S-14 3'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25948-1	S-5 0-1	Soluble	Solid	DI Leach	
880-25948-2	S-5 3'	Soluble	Solid	DI Leach	
880-25948-3	S-5 5	Soluble	Solid	DI Leach	
880-25948-4	S-6 0-1	Soluble	Solid	DI Leach	
880-25948-5	S-6 3'	Soluble	Solid	DI Leach	
880-25948-6	S-6 5'	Soluble	Solid	DI Leach	
880-25948-7	S-8 0-1	Soluble	Solid	DI Leach	
880-25948-8	S-8 3'	Soluble	Solid	DI Leach	
880-25948-9	S-8 5'	Soluble	Solid	DI Leach	
880-25948-10	S-14 0-1	Soluble	Solid	DI Leach	
880-25948-11	S-14 3'	Soluble	Solid	DI Leach	
MB 880-48966/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48966/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48966/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25948-1 MS	S-5 0-1	Soluble	Solid	DI Leach	
880-25948-1 MSD	S-5 0-1	Soluble	Solid	DI Leach	
880-25948-11 MS	S-14 3'	Soluble	Solid	DI Leach	
880-25948-11 MSD	S-14 3'	Soluble	Solid	DI Leach	

Analysis Batch: 49317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25948-1	S-5 0-1	Soluble	Solid	300.0	48966
880-25948-2	S-5 3'	Soluble	Solid	300.0	48966
880-25948-3	S-5 5	Soluble	Solid	300.0	48966
880-25948-4	S-6 0-1	Soluble	Solid	300.0	48966
880-25948-5	S-6 3'	Soluble	Solid	300.0	48966
880-25948-6	S-6 5'	Soluble	Solid	300.0	48966

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

HPLC/IC (Continued)

Analysis Batch: 49317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25948-7	S-8 0-1	Soluble	Solid	300.0	48966
880-25948-8	S-8 3'	Soluble	Solid	300.0	48966
880-25948-9	S-8 5'	Soluble	Solid	300.0	48966
880-25948-10	S-14 0-1	Soluble	Solid	300.0	48966
880-25948-11	S-14 3'	Soluble	Solid	300.0	48966
MB 880-48966/1-A	Method Blank	Soluble	Solid	300.0	48966
LCS 880-48966/2-A	Lab Control Sample	Soluble	Solid	300.0	48966
LCSD 880-48966/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48966
880-25948-1 MS	S-5 0-1	Soluble	Solid	300.0	48966
880-25948-1 MSD	S-5 0-1	Soluble	Solid	300.0	48966
880-25948-11 MS	S-14 3'	Soluble	Solid	300.0	48966
880-25948-11 MSD	S-14 3'	Soluble	Solid	300.0	48966

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Client Sample ID: S-5 0-1

Lab Sample ID: 880-25948-1
Matrix: Solid
Date Collected: 03/13/23 11:00
Date Received: 03/14/23 15:58

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	49337	03/23/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 02:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49496	03/25/23 16:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49129	03/21/23 12:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48883	03/18/23 09:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48946	03/20/23 11:19	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48966	03/20/23 10:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49317	03/22/23 23:54	SMC	EET MID

Client Sample ID: S-5 3'

Lab Sample ID: 880-25948-2
Matrix: Solid
Date Collected: 03/13/23 11:05
Date Received: 03/14/23 15:58

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	49337	03/23/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 03:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49496	03/25/23 16:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49129	03/21/23 12:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48883	03/18/23 09:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48946	03/20/23 12:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48966	03/20/23 10:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49317	03/23/23 00:09	SMC	EET MID

Client Sample ID: S-5 5

Lab Sample ID: 880-25948-3
Matrix: Solid
Date Collected: 03/13/23 11:10
Date Received: 03/14/23 15:58

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	49337	03/23/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 03:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49496	03/25/23 16:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49129	03/21/23 12:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48883	03/18/23 09:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48946	03/20/23 12:46	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48966	03/20/23 10:54	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49317	03/23/23 00:14	SMC	EET MID

Client Sample ID: S-6 0-1

Lab Sample ID: 880-25948-4
Matrix: Solid
Date Collected: 03/13/23 11:15
Date Received: 03/14/23 15:58

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	49337	03/23/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 04:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49496	03/25/23 16:16	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Client Sample ID: S-6 0-1

Date Collected: 03/13/23 11:15
Date Received: 03/14/23 15:58

Lab Sample ID: 880-25948-4

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			49129	03/21/23 12:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48883	03/18/23 09:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48946	03/20/23 13:08	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48966	03/20/23 10:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49317	03/23/23 00:19	SMC	EET MID

Client Sample ID: S-6 3'

Date Collected: 03/13/23 11:20
Date Received: 03/14/23 15:58

Lab Sample ID: 880-25948-5

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	49337	03/23/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 04:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49496	03/25/23 16:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49129	03/21/23 12:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48883	03/18/23 09:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48946	03/20/23 13:30	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48966	03/20/23 10:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49317	03/23/23 00:24	SMC	EET MID

Client Sample ID: S-6 5'

Date Collected: 03/13/23 11:25
Date Received: 03/14/23 15:58

Lab Sample ID: 880-25948-6

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	49337	03/23/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 04:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49496	03/25/23 16:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49129	03/21/23 12:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48883	03/18/23 09:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48946	03/20/23 13:52	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48966	03/20/23 10:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49317	03/23/23 00:38	SMC	EET MID

Client Sample ID: S-8 0-1

Date Collected: 03/13/23 12:15
Date Received: 03/14/23 15:58

Lab Sample ID: 880-25948-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49337	03/23/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 06:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49496	03/25/23 16:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49129	03/21/23 12:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48883	03/18/23 09:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48946	03/20/23 14:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Client Sample ID: S-8 0-1

Lab Sample ID: 880-25948-7
Matrix: Solid
Date Collected: 03/13/23 12:15
Date Received: 03/14/23 15:58

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	48966	03/20/23 10:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49317	03/23/23 00:43	SMC	EET MID

Client Sample ID: S-8 3'

Lab Sample ID: 880-25948-8
Matrix: Solid
Date Collected: 03/13/23 12:20
Date Received: 03/14/23 15:58

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	49337	03/23/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 06:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49496	03/25/23 16:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49129	03/21/23 12:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48883	03/18/23 09:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48946	03/20/23 14:35	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48966	03/20/23 10:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49317	03/23/23 00:48	SMC	EET MID

Client Sample ID: S-8 5'

Lab Sample ID: 880-25948-9
Matrix: Solid
Date Collected: 03/13/23 12:25
Date Received: 03/14/23 15:58

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	49337	03/23/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 07:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49496	03/25/23 16:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49129	03/21/23 12:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48883	03/18/23 09:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48946	03/20/23 14:57	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48966	03/20/23 10:54	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49317	03/23/23 00:53	SMC	EET MID

Client Sample ID: S-14 0-1

Lab Sample ID: 880-25948-10
Matrix: Solid
Date Collected: 03/13/23 12:00
Date Received: 03/14/23 15:58

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	49336	03/23/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/26/23 02:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49496	03/27/23 10:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49129	03/21/23 12:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48883	03/18/23 09:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48946	03/20/23 15:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48966	03/20/23 10:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49317	03/23/23 00:57	SMC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Client Sample ID: S-14 3'
Date Collected: 03/13/23 12:05
Date Received: 03/14/23 15:58

Lab Sample ID: 880-25948-11
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			5.01 g	5 mL	49336	03/23/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/26/23 03:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49496	03/27/23 10:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			49129	03/21/23 12:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48883	03/18/23 09:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48946	03/20/23 16:12	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48966	03/20/23 10:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49317	03/23/23 01:02	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: 880-25948-1
Project/Site: SD Pad 415 SDG: 22-0104-00

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Larson & Associates, Inc.
Project/Site: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

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: SD Pad 415

Job ID: 880-25948-1
SDG: 22-0104-00

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25948-1	S-5 0-1	Solid	03/13/23 11:00	03/14/23 15:58
880-25948-2	S-5 3'	Solid	03/13/23 11:05	03/14/23 15:58
880-25948-3	S-5 5	Solid	03/13/23 11:10	03/14/23 15:58
880-25948-4	S-6 0-1	Solid	03/13/23 11:15	03/14/23 15:58
880-25948-5	S-6 3'	Solid	03/13/23 11:20	03/14/23 15:58
880-25948-6	S-6 5'	Solid	03/13/23 11:25	03/14/23 15:58
880-25948-7	S-8 0-1	Solid	03/13/23 12:15	03/14/23 15:58
880-25948-8	S-8 3'	Solid	03/13/23 12:20	03/14/23 15:58
880-25948-9	S-8 5'	Solid	03/13/23 12:25	03/14/23 15:58
880-25948-10	S-14 0-1	Solid	03/13/23 12:00	03/14/23 15:58
880-25948-11	S-14 3'	Solid	03/13/23 12:05	03/14/23 15:58

25940 No. 2749

CHAIN-OF-CUSTODY

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

DATE 3/13/2023 PAGE 1 OF 1

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME. SD pad 415

LAI PROJECT # 22-0104-00 COLLECTOR MF + KG

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 ☐ DW 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
S-5 0-1		3/13/23	1100	S	1				X		X			X	X	X												X			202
S-5 3'		3/13/23	1105	S	1				X		X			X	X	X												X			
S-5 5		3/13/23	1110	S	1				X		X			X	X	X												X			
S-6 0-1		3/13/23	1115	S	1				X		X			X	X	X												X			
S-6 3'		3/13/23	1120	S	1				X		X			X	X	X												X			
S-6 5'		3/13/23	1125	S	1				X		X			X	X	X												X			
S-8 0-1		3/13/23	1215	S	1				X		X			X	X	X												X			
S-8 3'		3/13/23	1220	S	1				X		X			X	X	X												X			
S-8 5'		3/13/23	1225	S	1				X		X			X	X	X												X			
S-14 0-1		3/13/23	1200	S	1				X		X			X	X	X												X			
S-14 3'		3/13/23	1205	S	1				X		X			X	X	X												X			
TOTAL																															

880-25948 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Matthew Fuller	3/14/23 15:58	
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 03/0.0 THERM# IR8 - 30
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-25948-1
SDG Number: 22-0104-00

Login Number: 25948
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	

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Salado Draw Pad 415

Project Number: 22-0104-07

Location: New Mexico

Lab Order Number: 3C17001

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 03/24/23

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-10 @ 1'	3C17001-01	Soil	03/16/23 11:00	03-17-2023 08:37
S-10 @ 3'	3C17001-02	Soil	03/16/23 11:05	03-17-2023 08:37
S-10 @ 5'	3C17001-03	Soil	03/16/23 11:10	03-17-2023 08:37
S-11 @ 0'-1'	3C17001-04	Soil	03/16/23 11:30	03-17-2023 08:37
S-11 @ 3'	3C17001-05	Soil	03/16/23 11:35	03-17-2023 08:37
S-12 @ 0'-1'	3C17001-06	Soil	03/16/23 11:40	03-17-2023 08:37
S-12 @ 3'	3C17001-07	Soil	03/16/23 11:45	03-17-2023 08:37
S-17 @ 0'-1'	3C17001-08	Soil	03/16/23 12:00	03-17-2023 08:37
S-17 @ 3'	3C17001-09	Soil	03/16/23 12:05	03-17-2023 08:37
S-17 @ 5'	3C17001-10	Soil	03/16/23 12:10	03-17-2023 08:37
S-18 @ 0'-1'	3C17001-11	Soil	03/16/23 12:30	03-17-2023 08:37
S-18 @ 3'	3C17001-12	Soil	03/16/23 12:35	03-17-2023 08:37
S-18 @ 5'	3C17001-13	Soil	03/16/23 12:40	03-17-2023 08:37
S-21 @ 0'-1'	3C17001-14	Soil	03/16/23 13:00	03-17-2023 08:37
S-21 @ 3'	3C17001-15	Soil	03/16/23 13:05	03-17-2023 08:37
S-21 @ 5'	3C17001-16	Soil	03/16/23 13:10	03-17-2023 08:37

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-10 @ 1'

3C17001-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:38	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:38	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:38	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:38	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 11:38*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.5 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 11:38*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3C2208	03/22/23 10:35	03/23/23 23:40	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3C2208	03/22/23 10:35	03/23/23 23:40	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3C2208	03/22/23 10:35	03/23/23 23:40	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.4 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/23/23 23:40*	*TPH 8015M*	
Surrogate: o-Terphenyl		*120 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/23/23 23:40*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/22/23 10:35	03/23/23 23:40	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.20**	1.03	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 01:15	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-10 @ 3'

3C17001-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:59	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:59	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:59	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:59	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 11:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 11:59*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.2 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 11:59*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 00:03	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 00:03	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 00:03	TPH 8015M	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 00:03*	*TPH 8015M*	
Surrogate: o-Terphenyl		*119 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 00:03*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 00:03	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7.03**	1.02	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 01:29	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-10 @ 5'

3C17001-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 12:20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 12:20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 12:20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 12:20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 12:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 12:20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.3 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 12:20*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 00:25	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 00:25	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 00:25	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 00:25*	*TPH 8015M*	
Surrogate: o-Terphenyl		*119 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 00:25*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 00:25	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**838**	1.03	mg/kg dry	1	P3C1705	03/17/23 11:00	03/18/23 22:26	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-11 @ 0'-1'

3C17001-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 12:42	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 12:42	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 12:42	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 12:42	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 12:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 12:42*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.0 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 12:42*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 00:48	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 00:48	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 00:48	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 00:48*	*TPH 8015M*	
Surrogate: o-Terphenyl		*123 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 00:48*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 00:48	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**81.1**	1.04	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 02:12	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-11 @ 3'

3C17001-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 13:03	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 13:03	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 13:03	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 13:03	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1709	03/17/23 15:52	03/18/23 13:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 13:03*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.4 %*	*80-120*		*P3C1709*	*03/17/23 15:52*	*03/18/23 13:03*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 01:10	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 01:10	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 01:10	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 01:10*	*TPH 8015M*	
Surrogate: o-Terphenyl		*119 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 01:10*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 01:10	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**161**	1.05	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 02:55	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-12 @ 0'-1'

3C17001-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 12:55	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 12:55	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 12:55	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 12:55	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 12:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.7 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 12:55*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 12:55*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 01:33	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 01:33	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 01:33	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.7 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 01:33*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 01:33*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 01:33	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**76.6**	1.03	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 03:09	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-12 @ 3'

3C17001-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:16	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:16	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:16	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:16	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.4 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 13:16*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 13:16*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 01:56	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 01:56	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 01:56	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.8 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 01:56*	*TPH 8015M*	
Surrogate: o-Terphenyl		*120 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 01:56*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 01:56	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**430**	1.04	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 03:23	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-17 @ 0'-1'

3C17001-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:38	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:38	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:38	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:38	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 13:38*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.0 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 13:38*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 02:18	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 02:18	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 02:18	TPH 8015M	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 02:18*	*TPH 8015M*	
Surrogate: o-Terphenyl		*120 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 02:18*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 02:18	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**8.23**	1.05	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 03:38	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-17 @ 3'

3C17001-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:59	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:59	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:59	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:59	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 13:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.1 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 13:59*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 13:59*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 02:40	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 02:40	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 02:40	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.4 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 02:40*	*TPH 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 02:40*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 02:40	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**467**	1.03	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 03:52	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-17 @ 5'

3C17001-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 14:21	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 14:21	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 14:21	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 14:21	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 14:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.7 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 14:21*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 14:21*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 03:03	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 03:03	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 03:03	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 03:03*	*TPH 8015M*	
Surrogate: o-Terphenyl		*124 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 03:03*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 03:03	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2000**	1.06	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 04:06	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-18 @ 0'-1'

3C17001-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 14:42	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 14:42	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 14:42	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 14:42	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 14:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.1 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 14:42*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 14:42*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 04:10	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 04:10	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 04:10	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 04:10*	*TPH 8015M*	
Surrogate: o-Terphenyl		*124 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 04:10*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 04:10	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**13.6**	1.05	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 04:21	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-18 @ 3'

3C17001-12 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:04	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:04	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:04	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:04	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 15:04*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.9 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 15:04*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 04:33	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 04:33	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 04:33	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.9 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 04:33*	*TPH 8015M*	
Surrogate: o-Terphenyl		*120 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 04:33*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 04:33	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**13.3**	1.05	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 04:35	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-18 @ 5'

3C17001-13 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:26	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:26	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:26	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:26	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.6 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 15:26*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 15:26*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 04:55	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 04:55	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 04:55	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.9 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 04:55*	*TPH 8015M*	
Surrogate: o-Terphenyl		*120 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 04:55*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 04:55	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**497**	1.04	mg/kg dry	1	P3C1902	03/19/23 13:00	03/20/23 04:49	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-21 @ 0'-1'

3C17001-14 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:47	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:47	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:47	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:47	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 15:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.4 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 15:47*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 15:47*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 05:18	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 05:18	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 05:18	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 05:18*	*TPH 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 05:18*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 05:18	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5.86**	1.00	mg/kg dry	1	P3C2004	03/20/23 10:31	03/20/23 18:49	EPA 300.0	
% Moisture	ND	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-21 @ 3'

3C17001-15 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 16:09	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 16:09	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 16:09	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 16:09	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 16:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 16:09*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.0 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 16:09*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 05:40	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 05:40	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 05:40	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 05:40*	*TPH 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 05:40*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 05:40	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**30.4**	1.05	mg/kg dry	1	P3C2016	03/20/23 15:00	03/20/23 20:15	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

S-21 @ 5'

3C17001-16 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 17:13	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 17:13	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 17:13	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 17:13	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C2003	03/20/23 09:46	03/20/23 17:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 17:13*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.2 %*	*80-120*		*P3C2003*	*03/20/23 09:46*	*03/20/23 17:13*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 06:02	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 06:02	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C2208	03/22/23 10:35	03/24/23 06:02	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 06:02*	*TPH 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P3C2208*	*03/22/23 10:35*	*03/24/23 06:02*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/22/23 10:35	03/24/23 06:02	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**32.3**	1.05	mg/kg dry	1	P3C2016	03/20/23 15:00	03/20/23 20:29	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3C2006	03/20/23 10:41	03/20/23 10:50	ASTM D2216	

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1709 - * DEFAULT PREP *** **										
Blank (P3C1709-BLK1)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.9*	*80-120*			
LCS (P3C1709-BS1)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		91.8	80-120			
Xylene (o)	0.0990	0.00100	"	0.100		99.0	80-120			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.129*		"	*0.120*		*108*	*80-120*			
LCS Dup (P3C1709-BSD1)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.106	0.00100	mg/kg	0.100		106	80-120	2.03	20	
Toluene	0.102	0.00100	"	0.100		102	80-120	1.24	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120	1.24	20	
Xylene (p/m)	0.181	0.00200	"	0.200		90.7	80-120	1.26	20	
Xylene (o)	0.0976	0.00100	"	0.100		97.6	80-120	1.43	20	
Surrogate: 4-Bromofluorobenzene	*0.129*		"	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.3*	*80-120*			
Calibration Blank (P3C1709-CCB1)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.130		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1709 - * DEFAULT PREP *** **										
Calibration Blank (P3C1709-CCB2)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.110		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.4*	*80-120*			
Calibration Check (P3C1709-CCV1)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		90.9	80-120			
Xylene (o)	0.0999	0.00100	"	0.100		99.9	80-120			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*75-125*			
Calibration Check (P3C1709-CCV2)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.112	0.00100	mg/kg	0.100		112	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.186	0.00200	"	0.200		93.0	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*106*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.0*	*75-125*			
Calibration Check (P3C1709-CCV3)				Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.110	0.00100	mg/kg	0.100		110	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0971	0.00100	"	0.100		97.1	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.6	80-120			
Xylene (o)	0.0974	0.00100	"	0.100		97.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.9*	*75-125*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1709 - * DEFAULT PREP *** **										
Matrix Spike (P3C1709-MS1)	**Source: 3C16002-10**			Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.0836	0.00109	mg/kg dry	0.109	ND	76.9	80-120			QM-05
Toluene	0.0718	0.00109	"	0.109	ND	66.0	80-120			QM-05
Ethylbenzene	0.0684	0.00109	"	0.109	ND	62.9	80-120			QM-05
Xylene (p/m)	0.126	0.00217	"	0.217	ND	58.1	80-120			QM-05
Xylene (o)	0.0768	0.00109	"	0.109	ND	70.6	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.130*		*96.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.140*		*"*	*0.130*		*107*	*80-120*			
Matrix Spike Dup (P3C1709-MSD1)	**Source: 3C16002-10**			Prepared: 03/17/23 Analyzed: 03/18/23						
Benzene	0.0862	0.00109	mg/kg dry	0.109	ND	79.3	80-120	3.07	20	QM-05
Toluene	0.0738	0.00109	"	0.109	ND	67.9	80-120	2.75	20	QM-05
Ethylbenzene	0.0706	0.00109	"	0.109	ND	64.9	80-120	3.14	20	QM-05
Xylene (p/m)	0.125	0.00217	"	0.217	ND	57.4	80-120	1.26	20	QM-05
Xylene (o)	0.0764	0.00109	"	0.109	ND	70.3	80-120	0.440	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.139*		*"*	*0.130*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.127*		*"*	*0.130*		*97.1*	*80-120*			
Batch P3C2003 - * DEFAULT PREP *** **										
Blank (P3C2003-BLK1)				Prepared & Analyzed: 03/20/23						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.1*	*80-120*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
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Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C2003 - * DEFAULT PREP *** **										
LCS (P3C2003-BS1)				Prepared & Analyzed: 03/20/23						
Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.194	0.00200	"	0.200		97.2	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
LCS Dup (P3C2003-BSD1)				Prepared & Analyzed: 03/20/23						
Benzene	0.109	0.00100	mg/kg	0.100		109	80-120	0.479	20	
Toluene	0.106	0.00100	"	0.100		106	80-120	0.0753	20	
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120	0.207	20	
Xylene (p/m)	0.193	0.00200	"	0.200		96.7	80-120	0.578	20	
Xylene (o)	0.102	0.00100	"	0.100		102	80-120	0.575	20	
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
Calibration Blank (P3C2003-CCB1)				Prepared & Analyzed: 03/20/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.110		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Calibration Blank (P3C2003-CCB2)				Prepared & Analyzed: 03/20/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.100		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*94.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
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Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C2003 - * DEFAULT PREP *** **										
Calibration Check (P3C2003-CCV1)				Prepared & Analyzed: 03/20/23						
Benzene	0.0908	0.00100	mg/kg	0.100		90.8	80-120			
Toluene	0.0884	0.00100	"	0.100		88.4	80-120			
Ethylbenzene	0.0873	0.00100	"	0.100		87.3	80-120			
Xylene (p/m)	0.161	0.00200	"	0.200		80.3	80-120			
Xylene (o)	0.0855	0.00100	"	0.100		85.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		"	*0.120*		*108*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*96.1*	*75-125*			
Calibration Check (P3C2003-CCV2)				Prepared & Analyzed: 03/20/23						
Benzene	0.105	0.00100	mg/kg	0.100		105	80-120			
Toluene	0.0984	0.00100	"	0.100		98.4	80-120			
Ethylbenzene	0.0941	0.00100	"	0.100		94.1	80-120			
Xylene (p/m)	0.173	0.00200	"	0.200		86.6	80-120			
Xylene (o)	0.0942	0.00100	"	0.100		94.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.8*	*75-125*			
Calibration Check (P3C2003-CCV3)				Prepared & Analyzed: 03/20/23						
Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0993	0.00100	"	0.100		99.3	80-120			
Xylene (p/m)	0.180	0.00200	"	0.200		89.9	80-120			
Xylene (o)	0.0983	0.00100	"	0.100		98.3	80-120			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.129*		"	*0.120*		*107*	*75-125*			
Matrix Spike (P3C2003-MS1)	**Source: 3C17001-06**			Prepared & Analyzed: 03/20/23						
Benzene	0.0764	0.00103	mg/kg dry	0.103	ND	74.1	80-120			QM-05
Toluene	0.0703	0.00103	"	0.103	ND	68.2	80-120			QM-05
Ethylbenzene	0.0673	0.00103	"	0.103	ND	65.3	80-120			QM-05
Xylene (p/m)	0.117	0.00206	"	0.206	ND	57.0	80-120			QM-05
Xylene (o)	0.0643	0.00103	"	0.103	ND	62.3	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.124*		*96.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.135*		"	*0.124*		*109*	*80-120*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C2003 - * DEFAULT PREP *** **										
Matrix Spike Dup (P3C2003-MSD1)	**Source: 3C17001-06**			Prepared & Analyzed: 03/20/23						
Benzene	0.0901	0.00103	mg/kg dry	0.103	ND	87.4	80-120	16.5	20	
Toluene	0.0834	0.00103	"	0.103	ND	80.9	80-120	17.0	20	
Ethylbenzene	0.0826	0.00103	"	0.103	ND	80.1	80-120	20.4	20	QM-05
Xylene (p/m)	0.143	0.00206	"	0.206	ND	69.3	80-120	19.5	20	QM-05
Xylene (o)	0.0785	0.00103	"	0.103	ND	76.1	80-120	19.9	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.133*		*"*	*0.124*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.124*		*95.2*	*80-120*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
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Midland TX, 79710	Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C2208 - TX 1005										
Blank (P3C2208-BLK1)				Prepared: 03/22/23 Analyzed: 03/23/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*110*		*"*	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*66.3*		*"*	*50.0*		*133*	*70-130*			*S-GC*
LCS (P3C2208-BS1)				Prepared: 03/22/23 Analyzed: 03/23/23						
C6-C12	929	25.0	mg/kg	1000		92.9	75-125			
>C12-C28	1240	25.0	"	1000		124	75-125			
Surrogate: 1-Chlorooctane	*121*		*"*	*100*		*121*	*70-130*			
Surrogate: o-Terphenyl	*67.6*		*"*	*50.0*		*135*	*70-130*			*S-GC*
LCS Dup (P3C2208-BSD1)				Prepared: 03/22/23 Analyzed: 03/23/23						
C6-C12	901	25.0	mg/kg	1000		90.1	75-125	3.03	20	
>C12-C28	1200	25.0	"	1000		120	75-125	2.87	20	
Surrogate: 1-Chlorooctane	*111*		*"*	*100*		*111*	*70-130*			
Surrogate: o-Terphenyl	*61.5*		*"*	*50.0*		*123*	*70-130*			
Calibration Check (P3C2208-CCV1)				Prepared: 03/22/23 Analyzed: 03/23/23						
C6-C12	571	25.0	mg/kg	500		114	85-115			
>C12-C28	562	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	*122*		*"*	*100*		*122*	*70-130*			
Surrogate: o-Terphenyl	*69.2*		*"*	*50.0*		*138*	*70-130*			*S-GC*
Calibration Check (P3C2208-CCV2)				Prepared: 03/22/23 Analyzed: 03/24/23						
C6-C12	560	25.0	mg/kg	500		112	85-115			
>C12-C28	571	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	*115*		*"*	*100*		*115*	*70-130*			
Surrogate: o-Terphenyl	*65.6*		*"*	*50.0*		*131*	*70-130*			*S-GC*

Larson & Associates, Inc.	Project: Salado Draw Pad 415
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Midland TX, 79710	Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C2208 - TX 1005										
Calibration Check (P3C2208-CCV3)				Prepared: 03/22/23 Analyzed: 03/24/23						
C6-C12	556	25.0	mg/kg	500		111	85-115			
>C12-C28	564	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	*121*		*"*	*100*		*121*	*70-130*			
Surrogate: o-Terphenyl	*67.3*		*"*	*50.0*		*135*	*70-130*			*S-GC*
Matrix Spike (P3C2208-MS1)		**Source: 3C17002-04**		Prepared: 03/22/23 Analyzed: 03/24/23						
C6-C12	900	26.9	mg/kg dry	1080	ND	83.7	75-125			
>C12-C28	1220	26.9	"	1080	12.9	112	75-125			
Surrogate: 1-Chlorooctane	*120*		*"*	*108*		*112*	*70-130*			
Surrogate: o-Terphenyl	*57.8*		*"*	*53.8*		*107*	*70-130*			
Matrix Spike Dup (P3C2208-MSD1)		**Source: 3C17002-04**		Prepared: 03/22/23 Analyzed: 03/24/23						
C6-C12	904	26.9	mg/kg dry	1080	ND	84.1	75-125	0.491	20	
>C12-C28	1230	26.9	"	1080	12.9	113	75-125	0.652	20	
Surrogate: 1-Chlorooctane	*122*		*"*	*108*		*114*	*70-130*			
Surrogate: o-Terphenyl	*63.1*		*"*	*53.8*		*117*	*70-130*			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
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Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1705 - * DEFAULT PREP *** **										
Blank (P3C1705-BLK1)				Prepared & Analyzed: 03/17/23						
Chloride	ND	1.00	mg/kg							
LCS (P3C1705-BS1)				Prepared & Analyzed: 03/17/23						
Chloride	21.9		mg/kg	20.0		110	90-110			
Calibration Check (P3C1705-CCV1)				Prepared & Analyzed: 03/17/23						
Chloride	20.2		mg/kg	20.0		101	90-110			
Calibration Check (P3C1705-CCV2)				Prepared: 03/17/23 Analyzed: 03/18/23						
Chloride	21.0		mg/kg	20.0		105	90-110			
Calibration Check (P3C1705-CCV3)				Prepared: 03/17/23 Analyzed: 03/18/23						
Chloride	21.0		mg/kg	20.0		105	90-110			
Matrix Spike (P3C1705-MS1)		**Source: 3C17012-01**		Prepared: 03/17/23 Analyzed: 03/18/23						
Chloride	144	1.12	mg/kg dry	56.2	98.4	80.8	80-120			
Matrix Spike Dup (P3C1705-MSD1)		**Source: 3C17012-01**		Prepared: 03/17/23 Analyzed: 03/18/23						
Chloride	143	1.12	mg/kg dry	56.2	98.4	79.5	80-120	0.525	20	QM-05
Batch P3C1902 - * DEFAULT PREP *** **										
Blank (P3C1902-BLK1)				Prepared & Analyzed: 03/19/23						
Chloride	ND	1.00	mg/kg							
LCS (P3C1902-BS1)				Prepared & Analyzed: 03/19/23						
Chloride	18.2		mg/kg	20.0		91.2	90-110			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1902 - * DEFAULT PREP *** **										
LCS Dup (P3C1902-BSD1)				Prepared & Analyzed: 03/19/23						
Chloride	18.3		mg/kg	20.0		91.7	90-110	0.536	10	
Calibration Check (P3C1902-CCV1)				Prepared & Analyzed: 03/19/23						
Chloride	18.3		mg/kg	20.0		91.6	90-110			
Calibration Check (P3C1902-CCV2)				Prepared: 03/19/23 Analyzed: 03/20/23						
Chloride	18.4		mg/kg	20.0		92.2	90-110			
Calibration Check (P3C1902-CCV3)				Prepared: 03/19/23 Analyzed: 03/20/23						
Chloride	19.0		mg/kg	20.0		95.0	90-110			
Matrix Spike (P3C1902-MS2)		**Source: 3C17001-04**		Prepared: 03/19/23 Analyzed: 03/20/23						
Chloride	9.44		mg/kg	5.00	7.79	33.1	80-120			QM-05
Matrix Spike Dup (P3C1902-MSD2)		**Source: 3C17001-04**		Prepared: 03/19/23 Analyzed: 03/20/23						
Chloride	9.50		mg/kg	5.00	7.79	34.3	80-120	0.633	20	QM-05
Batch P3C2004 - * DEFAULT PREP *** **										
Blank (P3C2004-BLK1)				Prepared & Analyzed: 03/20/23						
Chloride	ND	1.00	mg/kg							
LCS (P3C2004-BS1)				Prepared & Analyzed: 03/20/23						
Chloride	18.1		mg/kg	20.0		90.3	90-110			
LCS Dup (P3C2004-BSD1)				Prepared & Analyzed: 03/20/23						
Chloride	18.1		mg/kg	20.0		90.5	90-110	0.249	10	

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C2004 - * DEFAULT PREP *** **										
Calibration Check (P3C2004-CCV1)				Prepared & Analyzed: 03/20/23						
Chloride	17.8		mg/kg	20.0		89.2	90-110			S-08
Calibration Check (P3C2004-CCV2)				Prepared & Analyzed: 03/20/23						
Chloride	18.9		mg/kg	20.0		94.5	90-110			
Calibration Check (P3C2004-CCV3)				Prepared & Analyzed: 03/20/23						
Chloride	18.4		mg/kg	20.0		92.2	90-110			
Matrix Spike (P3C2004-MS1)		**Source: 3C17016-01**		Prepared & Analyzed: 03/20/23						
Chloride	1550		mg/kg	500	1070	95.7	80-120			
Matrix Spike Dup (P3C2004-MSD1)		**Source: 3C17016-01**		Prepared & Analyzed: 03/20/23						
Chloride	1540		mg/kg	500	1070	92.9	80-120	0.903	20	
Batch P3C2006 - * DEFAULT PREP *** **										
Blank (P3C2006-BLK1)				Prepared & Analyzed: 03/20/23						
% Moisture	ND	0.1	%							
Duplicate (P3C2006-DUP1)		**Source: 3C17001-10**		Prepared & Analyzed: 03/20/23						
% Moisture	4.0	0.1	%		6.0			40.0	20	R
Duplicate (P3C2006-DUP2)		**Source: 3C17002-07**		Prepared & Analyzed: 03/20/23						
% Moisture	7.0	0.1	%		6.0			15.4	20	
Duplicate (P3C2006-DUP3)		**Source: 3C17002-17**		Prepared & Analyzed: 03/20/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C2006 - * DEFAULT PREP *** **										
Duplicate (P3C2006-DUP4)		**Source: 3C17003-01**		Prepared & Analyzed: 03/20/23						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P3C2006-DUP5)		**Source: 3C17007-04**		Prepared & Analyzed: 03/20/23						
% Moisture	9.0	0.1	%		10.0			10.5	20	
Duplicate (P3C2006-DUP6)		**Source: 3C17012-04**		Prepared & Analyzed: 03/20/23						
% Moisture	9.0	0.1	%		8.0			11.8	20	
Duplicate (P3C2006-DUP7)		**Source: 3C17017-05**		Prepared & Analyzed: 03/20/23						
% Moisture	8.0	0.1	%		1.0			156	20	R
Batch P3C2016 - * DEFAULT PREP *** **										
Blank (P3C2016-BLK1)				Prepared & Analyzed: 03/20/23						
Chloride	ND	1.00	mg/kg							
LCS (P3C2016-BS1)				Prepared & Analyzed: 03/20/23						
Chloride	18.4		mg/kg	20.0		92.0	90-110			
LCS Dup (P3C2016-BSD1)				Prepared & Analyzed: 03/20/23						
Chloride	18.4		mg/kg	20.0		91.9	90-110	0.103	10	
Calibration Check (P3C2016-CCV1)				Prepared & Analyzed: 03/20/23						
Chloride	18.4		mg/kg	20.0		92.2	90-110			
Calibration Check (P3C2016-CCV2)				Prepared & Analyzed: 03/20/23						
Chloride	18.5		mg/kg	20.0		92.3	90-110			

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C2016 - * DEFAULT PREP *** **										
Calibration Check (P3C2016-CCV3)				Prepared: 03/20/23 Analyzed: 03/21/23						
Chloride	18.1		mg/kg	20.0		90.5	90-110			
Matrix Spike (P3C2016-MS1)		**Source: 3C17002-03**		Prepared & Analyzed: 03/20/23						
Chloride	419		mg/kg	50.0	357	122	80-120			QM-05
Matrix Spike (P3C2016-MS2)		**Source: 3C17002-11**		Prepared: 03/20/23 Analyzed: 03/21/23						
Chloride	522		mg/kg	25.0	498	97.4	80-120			
Matrix Spike Dup (P3C2016-MSD1)		**Source: 3C17002-03**		Prepared & Analyzed: 03/20/23						
Chloride	405		mg/kg	50.0	357	94.3	80-120	3.42	20	
Matrix Spike Dup (P3C2016-MSD2)		**Source: 3C17002-11**		Prepared: 03/20/23 Analyzed: 03/21/23						
Chloride	516		mg/kg	25.0	498	71.6	80-120	1.24	20	QM-05

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
S-08	Value outside Laboratory historical or method prescribed QC limits.
ROI	Received on Ice
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 3/24/2023

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project: Salado Draw Pad 415
P.O. Box 50685	Project Number: 22-0104-07
Midland TX, 79710	Project Manager: Mark Larson

№ 1905

CHAIN-OF-CUSTODY

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

DATE: 3-16-23 PAGE 1 OF 2

PO#: LAB WORK ORDER#: 3C17001

PROJECT LOCATION OR NAME: Salado Draw Pad 415

LAI PROJECT #: 22-0104-07 COLLECTOR: KG

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
S-10, 1'	1	3-16-23	1100	S	1				X		X			X	X	X													X	
3'	2		1105																											
5'	3		1110																											
S-11, 0-1'	4		1130																											
3'	5		1135																											
S-12, 0-1'	6		1140																											
3'	7		1145																											
S-17, 0-1'	8		1200																											
3'	9		1205																											
5'	10		1210																											
S-18, 0-1'	11		1230																											
3'	12		1235																											
5'	13		1240																											

TOTAL

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

LABORATORY: Permian Basin Environmental Lab

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

LABORATORY USE ONLY:
RECEIVING TEMP: -3.6 THERM#:
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

№ 1985

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: _____ PAGE 2 OF 2

PO#: _____ LAB WORK ORDER#: 3C17001

PROJECT LOCATION OR NAME: Salado Draw Pad 415

LAI PROJECT #: 22-0104-07 COLLECTOR: KG

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: Mnt/NM

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
S-21, 0-1'	14	3-16-23	1300	S	1				X		X			X	X	X													X	
3'	15	"	1305	"	1				X		X			X	X	X													X	
5'	16	"	1310	"	1				X		X			X	X	X													X	
TOTAL																														

RELINQUISHED BY:(Signature) Ken GQ DATE/TIME RECEIVED BY: (Signature) 5/11/23 936

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

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

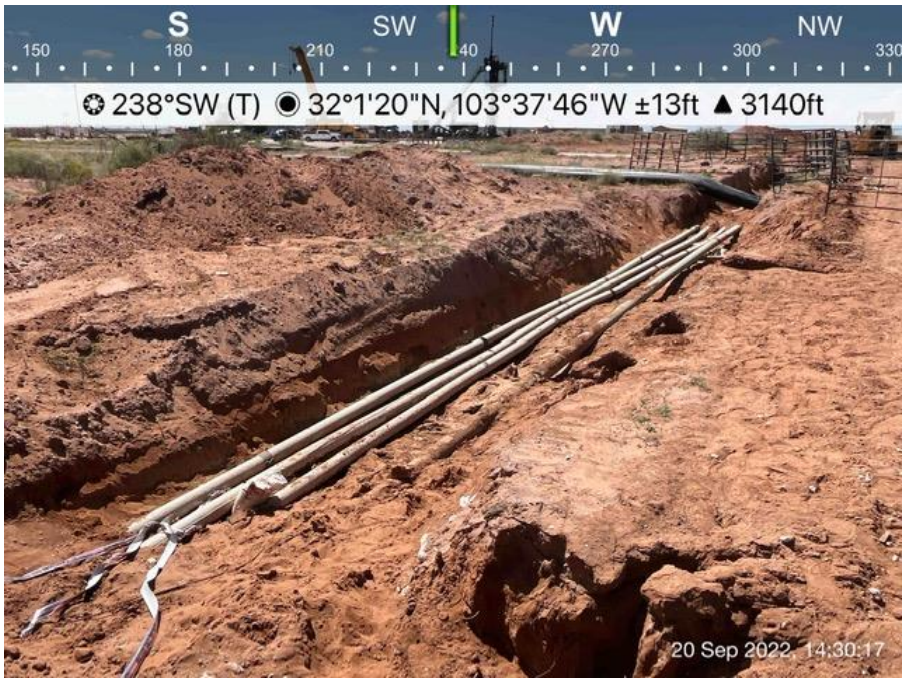
LABORATORY: Permian Basin Environmental Lab

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

LABORATORY USE ONLY:
RECEIVING TEMP: -3.6 THERM#: _____
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

Appendix E

Photographs



Impacted Area view from the southwest September, 20, 2022.

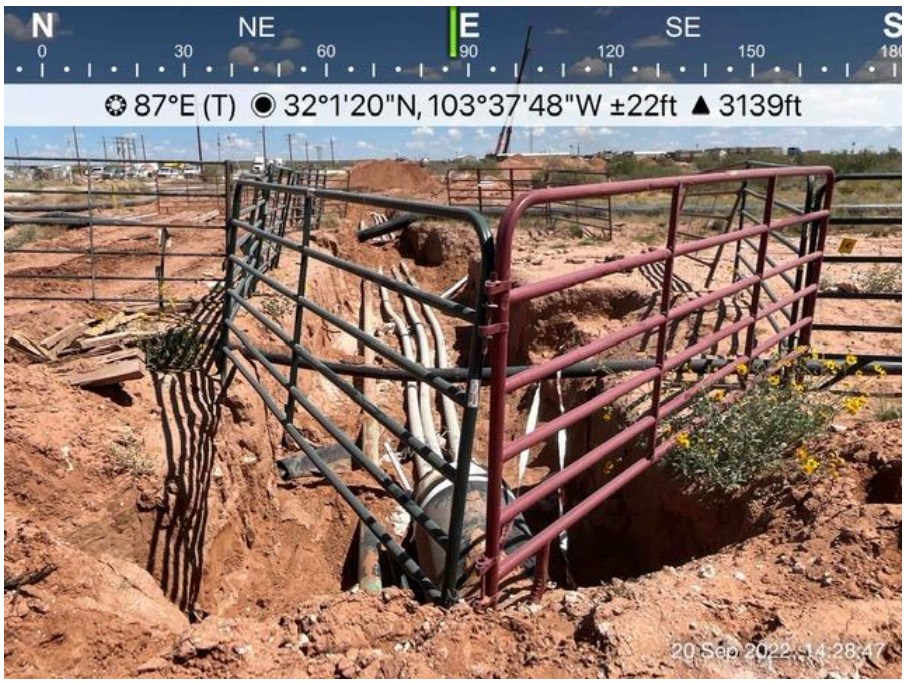
Impacted Area view from the east-southeast September, 20, 2022.

Impacted Area view from the west-northwest September, 20, 2022.

Impacted Area view from the west September, 20, 2022.

Impacted Area view showing hydrovacced lines from the southeast September, 20, 2022.

Impacted Area view from the west September, 20, 2022.



Impacted Area view showing exposed pipes from the east September, 20, 2022.

Impacted Area view showing exposed pipes from the east - southeast September, 20, 2022.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
SELECT ENERGY SERVICES, LLC PO Box 1715 Gainesville, TX 76240	289068
	Action Number: 209343
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation Plan approved with the following conditions; 1) No remedial activity is required for the following areas; from S-1 area - approximately 2,044 square feet (ft.2), from S-6 area - approximately 1,422 ft.2, from C-1, C-9, C-10 area - approximately 500 ft.2, from S-2, S-10, C-4, C-5, C-6, C-7 - approximately 1,746 ft.2,	7/5/2023
nvelez	2) Excavation from S-7 area - approximately 2,366 ft.2, required to reach, at a minimum, 1 foot below ground surface (bgs). 3) Excavation from S-4 and S-5 area - approximately 3,317 ft.2, S-8 area - approximately 1,110 ft.2, and S-11 and C-3 area - approximately 442 ft.2, required to reach, at a minimum, 3 ½ ft. bgs. 4) Collect confirmation samples per five point composite every 200 ft.2 from excavation base and sidewalls. 5) Sample laboratory analysis for chloride only,	7/5/2023
nvelez	6) Remediation Due date updated to October 3, 2023 to submit final closure report with photos of excavated areas prior to backfill. 7) Backfill excavation as stated in report.	7/5/2023