State of New Mexico
Oil Conservation Division

Incident ID	nOY1810742559
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?	86.30 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nOY1810742559
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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: Amy Barnhill Title: Environmental Advisor

Signature: Amy Barnhill Date: 10-31-23

email: ABarnhill@chevron.com Telephone:432-687-7723

OCD Only

Received by: Shelly Wells Date: 10/31/2023

State of New Mexico
Oil Conservation Division

Incident ID	nOY1810742559
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Remediation Plan

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

- [x] Detailed description of proposed remediation technique
- [x] Scaled sitemap with GPS coordinates showing delineation points
- [x] Estimated volume of material to be remediated
- [x] Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- [x] 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.***

- [X] Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- [X] Extents of contamination must be fully delineated.
- [X] 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: Amy Barnhill Title: Environmental Advisor

Signature: Amy Barnhill Date: 10-31-23

email: ABarnhill@chevron.com Telephone: 432-687-7723

OCD Only

Received by: Shelly Wells Date: 10/31/2023

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [x] Deferral Approved

Signature: Ashley Maxwell Date: 11/14/2024

State of New Mexico
Oil Conservation Division

Incident ID	nOY1810742559
District RP	nRM2009064906
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

[X] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[X] Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

[X] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

[X] Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Amy Barnhill Title: Environmental Advisor

Signature: Amy Barnhill Date: 10-31-23

email: ABarnhill@chevron.com Telephone: 432-687-7723

OCD Only

Received by: Shelly Wells Date: 10/31/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Tracking Number: nOY1810742559/nRM2009064906
Closure Report
Salado Draw 29 26 33 Federal Com #003H
Crude Oil and Produced Water Releases
Lea County, New Mexico

Latitude: N 32.021185°
Longitude: W -103.598591°

LAI Project No. 20-0107-08

September 29, 2023

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

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

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

Robert Nelson
Project Manager

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1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this closure report on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (NMOCD) District I for two (2) crude oil and produced water releases (nOY1810742559 and nRM2009064906) at Salado Draw 29 26 33 Federal Com #003H (Site) located in Unit C (NE/4, NW/4), Section 29, Township 26 South, Range 33 East in Lea County, New Mexico. The geodetic position is North 32.021185° and West -103.598591°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The first release (nOY1810742559) was discovered on April 1, 2018, due to a leak at a flange rod connection to the pump. Chevron reported that approximately 28.3 barrels (bbls) of produced water were released, with 25 bbls recovered. The affected area measured approximately 6,807 square feet. The initial C-141 was submitted to NMOCD District I on April 12, 2018, and was assigned Incident Number nOY1810742559.

The second release (nRM2009064906) was discovered on March 1, 2020, due to equipment failure. Chevron reported that approximately 11.13 barrels (bbls) of crude oil and 23.65 bbls of produced water were released. Approximately 1.5 bbls of crude oil and 3.5 bbls of produced water were recovered. The affected area measured approximately 4,677 square feet. The second release was assigned Incident Number of nRM2009064906. Appendix A presents initial Chevron spill documentation.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,220 feet above mean sea level (msl).
- The surface topography gradually decreases to the southwest.
- There are no karst or surface water features within 1,000 feet of the Site.
- The soils are designated as “Pyote soils and Dune land”, consisting of 0 to 30 inches of fine sand, underlain by 30 to 60 inches of fine sandy loam.
- The geology consists of the Quaternary age- sand and silt in sheets and locally includes cover sand (USGS).
- Groundwater occurs at a depth of approximately 86.30 feet below ground surface (bgs) based on a depth to groundwater measurement taken 72 hours after installing a boring (GWB-1) on November 30, 2020, located approximately 472.54 feet or 0.09 miles southeast of the Site.

Appendix B presents an aerial map showing the Karst Risk Potential. Appendix C presents the soil boring log. Figure 3 presents an aerial map showing the soil bore location.

1.3 Remediation Standards

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

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

LAI was not aware of the first release (nOY1810742559) until after the second release (nRM2009064906) was delineated between April 1, 2020, and May 29, 2020. On May 7, 2021, LAI personnel used an electromagnetic (EM-31) terrain conductivity meter to qualitatively assess the first release (nOY1810742559). The EM-31 has exploration capabilities ranging from 0 to 9.8 bgs in the horizontal dipole (HD) and 0 to 19.7 feet bgs in the vertical dipole (VD). A Background location was established at a location free of cultural interference and environmental impacts to map the boundaries of the release. The EM readings were collected using a grid-based approach and/or a series of transects over an area measuring approximately 300x300 feet. The EM-31 survey qualitatively revealed increased chloride concentrations in the subsurface.

Each map (HD and VD) was contoured depicting the areas where readings were observed greater than two (2) times background. Overlaying the original spill area defined by LAI personnel while conducting the initial site assessment regarding release (nRM2009064906), indicated additional delineation was necessary to accurately access the contamination. Figure 4a presents the EM survey HD conductivity map. Figure 4b presents the EM survey VD conductivity map.

The delineation was reported to the NMOCD in the document titled "*Tracking Number: nRM2009064906, Delineation Report and Remediation Plan, Salado Draw 29 26 33 Federal Com #003H, Crude Oil and Produced Water Release, Lea County, New Mexico, August 14, 2020*" and recommended the following remediation:

- Excavate soil from an area measuring approximately 3,161 square feet, encompassing S-2, S-5, S-6 and S-11 to approximately 2 feet bgs.
- Excavate soil from an area measuring approximately 3,412 square feet, encompassing S-4, S-7 and S-8 to 4 feet bgs.
- Collect five (5) point composite bottom and sidewall confirmation soil samples every 200 square feet of excavation and analyze for BTEX, TPH and chloride.
- Backfill excavations with clean caliche on the pad assuming achievement of OCD remediation levels; and
- Prepare report with photographs for submittal to OCD District 2.

The report was conditionally approved on September 8, 2020, and stated the following *"The Depth to groundwater has not been established. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, data should be no more than 25 years old, and well construction information should be provided. If Chevron chooses not to drill a borehole to confirm*

the depth to groundwater, this site must be remediated to meet the Closure Criteria in Table 1 for groundwater at a depth of 50 feet or less. Confirmation samples must be analyzed for constituents listed in Table 1 of 19.15.29.12. NMAC. i.e. TPH, BTEX, Chloride and Benzene".

On November 30, 2020, Scarborough Drilling, Inc. (SDI) drilled a groundwater bore to a depth of approximately 115 feet bgs. LAI personnel used a Solinst model 101 water level meter to gauge the depth to groundwater 72 hours after installation and observed groundwater to occur at a depth of approximately 86.30 feet bgs.

On October 27 and 28, 2021, LAI personnel used the Geoprobe 7822DT direct push rig to further delineate the release at sample locations (S-13 through S-19). Soil samples were collected at a depth of approximately one (1), three (3), five (5), and ten (10) feet bgs and the bottom delineation soil sample (i.e., ten (10) feet) was field tested to determine if further vertical was necessary. The laboratory results demonstrate the release was delineated according to the NMOCD remediation and closure requirements (19.15.29.12 NMAC Table 1) for groundwater between 50-100 feet bgs. Appendix E presents the laboratory reports.

3.0 REMEDIATION

On January 3, 2023, Warrior Technologies, LLC (Warrior), under supervision from LAI personnel began hydrovac excavation from areas within the spill areas encompassing underground utility lines (i.e., flow and electrical lines) and the wellheads. Hydrovac media (i.e., soil, water, and rock) were contained in vac boxes prior to being hauled to the Milestone Environmental Services disposal facility located northeast of Orla, Texas. Hydrovac operations encompassing the above-mentioned production equipment were completed on February 8, 2023.

On February 2 and 7, 2023, LAI personnel collected twenty-three (23) bottom and sidewall confirmation soil samples (C-1 through C-23) within the previously hydro excavated area. Soil samples were delivered under chain of custody (COC) and preservation to Eurofins-Xenco Laboratories (Xenco) in Midland, Texas. The soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and total petroleum hydrocarbons (TPH), including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35), and chloride by EPA SW-846 Methods 8021B and 8015M, and EPA Method 300.0E, respectively.

On February 13, 2023, SDR Enterprises (SDR), under supervision from LAI personnel, began excavating soil with mechanical equipment per the previously NMOCD approved delineation report and remediation plan. Soil was excavated to a maximum depth of 4.1 feet bgs and stockpiled on a liner adjacent to the excavation prior to being hauled to the Milestone Environmental Services disposal facility.

During February 15-17 and 23, 2023, LAI personnel collected sixty-seven (67) bottom and sidewall samples (C-24 through C-65 and SW-1 through SW-13) within the mechanically excavated areas. The soil samples were delivered under COC and preservation to Xenco and analyzed for BTEX, TPH, and chloride per the NMOCD approved analytical methods. The laboratory analysis reported benzene and BTEX below the NMOCD remediation standards of 10 milligrams per kilogram (mg/Kg) and 50 mg/kg, respectively, in all

confirmation soil samples. TPH and chloride reported above the NMOCD remediation standards of 100mg/Kg/2,500 mg/Kg and 600 mg/kg/10,000 mg/Kg, respectively, in the following samples:

Sample ID	Location	Depth	TPH Concentration (mg/Kg)	Chloride Concentration (mg/Kg)
C-8	Bottom	3.5	193	892
C-10	Bottom	3.5	463	2,230
C-11	Bottom	3	--	1,420
C-12	Bottom	3	--	706
C-20	Sidewall	0 – 4.1	105	3,730
C-21	Sidewall	0 – 4.1	110	2,450
C-22	Sidewall	0 – 3.5	--	863
C-23	Sidewall	0 – 4.1	--	814
C-27	Bottom	2	--	2,690
C-53	Bottom	2	--	1,040
C-60	Bottom	2	--	773
C-61	Bottom	2	--	1,410
C-66	Bottom	2	--	654
C-67	Bottom	2	--	1,040
C-68	Bottom	2	--	3,260
C-69	Bottom	2	102	5,230
C-70	Bottom	2	--	906
C-71	Bottom	2	--	2,470
C-72	Bottom	2	157	3,260
SW-1	Sidewall	0 – 2	--	767
SW-4	Sidewall	2 – 4.1	--	1,120
SW-6	Sidewall	0 – 4.1	--	662
SW-8	Sidewall	2 – 4.1	--	1,910
SW-9	Sidewall	2 – 4.1	--	2,370
SW-10	Sidewall	0 – 4.1	--	762
SW-11	Sidewall	0 – 4.1	--	2,440
SW-12	Sidewall	2 – 4.1	--	1,280
SW-14	Sidewall	0 – 2	--	2,960
SW-15	Sidewall	0 - 2	178	1,960

During April 2023, SDR excavated additional soil from the above-mentioned sample locations to a maximum depth of 4.1 feet and sidewalls sample locations were excavated an additional one (1) foot, with exception of sample locations C-8, C-10, C-11, C-12, and C-53, where underground lines prevented further excavation until the lines were removed on August 23, 2023.

On August 24, 2023, SDR excavated additional soil encompassing sample locations C-8, C-10, C-11, C-12, and C-53 to a depth of approximately 4.1 feet bgs. Subsequent laboratory analysis reported benzene, BTEX, TPH, and chloride below the NMOCD remediation standards in Table 1 of 19.15.29 NMAC. Further,

on August 24, 2023, SDR began hauling contaminated soil stockpiled on a liner to the Milestone Environmental Services disposal facility.

On August 30, 2023, SDR backfilled the excavationson the pad with clean caliche. LAI personnel collected five (5) composite soil samples (BF-1 through BF-5) of clean caliche from a nearby borrow pit. Xenco analyzed the samples for BTEX, TPH, and chloride. Benzene, BTEX, and TPH were below the method reporting limits (RL's) and chloride was less than 600 mg/Kg. Table 2 presents the confirmation and backfill analytical data summary. Figure 5 presents an aerial map showing the excavation areas and confirmation soil sample locations. Appendix E presents the laboratory reports. Appendix F presents the photographic documentation.

4.0 DEFERRAL REQUEST

Chevron requests a deferral for sidewalls at sample locations (C-20, C-21, C-22, and C-23) where chloride concentrations remain above the NMOCD closure criteria of 600 mg/Kg. These sidewall sample locations are located adjacent to the wellheads/cellars. Further excavation of these areas risks jeopardizing the integrity of the flow lines and production equipment resulting in additional environmental impacts. Figure 6 presents an aerial map showing the deferral areas.

Tables

Table 1
Soil Sample Analytical Data Summary
Salado Draw 29 26 33
Eddy County, New Mexico
North 32°01'15.53" , West 103°35'53.79"

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)
Remediation Level:				**10**	**50**				**100 / 2,500**	**600 / 10,000**
S-1	0 - 0.5	4/1/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	20.0
	0.5 - 1	4/1/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	8.12
S-2	0 - 0.5	4/1/2020	In-Situ	<0.00200	<0.00200	<49.9	72.6	<49.9	72.6	444
	1	4/21/2020	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	**3,650**
	3	4/21/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	182
	5	4/21/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	77.7
S-3	0 - 0.5	4/1/2020	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	8.79
	1	4/21/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	46.2
	3	4/21/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	39.7
	5	4/21/2020	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	74.6
S-4	0 - 0.5	4/1/2020	In-Situ	0.0462	3.13000	397	17700	2160	**20,300**	99.3
	1	4/21/2020	In-Situ	<0.00199	<0.00199	<50.0	600	61.3	**661**	**3,520**
	3	4/21/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	**1,330**
	5	4/21/2020	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	74.8
S-5	0 - 0.5	4/1/2020	In-Situ	<0.00198	<0.00198	<50.0	82.9	<50.0	82.9	**832**
	1	4/21/2020	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	**1,800**
	3	4/21/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	66.8
	5	4/21/2020	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	63.9
S-6	0 - 0.5	4/1/2020	In-Situ	<0.0201	0.620	140	1,820	218	**2,180**	**1,680**
	1	4/21/2020	In-Situ	<0.00198	<0.00198	<49.9	358	<49.9	**358**	**4,810**

Table 1
Soil Sample Analytical Data Summary
Salado Draw 29 26 33
Eddy County, New Mexico
North 32°01'15.53" , West 103°35'53.79"

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)
Remediation Level:				**10**	**50**				**100 / 2,500**	**600 / 10,000**
	3	4/21/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	35.6
	5	4/21/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	10.3
S-7	0 - 0.5	4/1/2020	In-Situ	0.119	**70.3**	2050	17,400	1990	**21,400**	**5,440**
	1	4/21/2020	In-Situ	<0.00200	<0.00200	<50.0	567	75.9	**643**	**3,500**
	3	4/21/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	**1,650**
	5	4/21/2020	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	28.5
S-8	0 - 0.5	4/1/2020	In-Situ	<0.00201	<0.00201	<50.0	95	<50.0	95	**1,190**
	1	4/21/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	**2,400**
	3	4/21/2020	In-Situ	<0.00198	<0.00198	99.4	<49.8	<49.8	99.4	**3,730**
	5	4/21/2020	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	13.3
S-9	0 - 0.5	4/21/2020	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	454
	0.5 - 1	4/21/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	385
S-10	0 - 0.5	4/21/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	35.7
	0.5 - 1	4/21/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	23.2
S-11	1	4/21/2020	In-Situ	0.0342	0.577	117	3,730	464	**4,310**	**1,800**
	3	4/21/2020	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	75.2
	5	4/21/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	11.6
S-12	0.5	5/29/2020	In-Situ	<0.00119	<0.00119	<50.0	<50.0	<50.0	<50.0	10.9
	1	5/29/2020	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	9.90

Table 1
Soil Sample Analytical Data Summary
Salado Draw 29 26 33
Eddy County, New Mexico
North 32°01'15.53" , West 103°35'53.79"

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)
Remediation Level:				**10**	**50**				**100 / 2,500**	**600 / 10,000**
S-13	1	10/27/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	91.2
	3	10/27/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	477
	5	10/27/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	590
	10	10/27/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	102
S-14	1	10/27/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	**773**
	3	10/27/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	**661**
	5	10/27/2021	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	226
	10	10/27/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	146
S-15	1	10/27/2021	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	**3,060**
	3	10/27/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	**4,350**
	5	10/27/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	**3,890**
	10	10/27/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**2,870**
	15	10/27/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	169
S-16	1	10/28/2021	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	327
	3	10/28/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	254
	5	10/28/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	**2,150**
	10	10/28/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	523
	15	10/28/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	49.7
S-17	1	10/28/2021	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	8.17
	3	10/28/2021	In-Situ	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	296

Table 1
Soil Sample Analytical Data Summary
Salado Draw 29 26 33
Eddy County, New Mexico
North 32°01'15.53" , West 103°35'53.79"

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)
Remediation Level:				**10**	**50**				**100 / 2,500**	**600 / 10,000**
	5	10/28/2021	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	8.98
	10	10/28/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	12.1
S-18	1	10/28/2021	In-Situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	8.10
	3	10/28/2021	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<4.99
	5	10/28/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	76.6
	10	10/28/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	109
S-19	1	10/28/2021	In-Situ	0.00370	<0.00401	<49.9	<49.9	<49.9	<49.9	166
	3	10/28/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	174
	5	10/28/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	227
	10	10/28/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	22.7

Notes: Analysis performed by Xenco Laboratories
Depth in feet below ground surface (bgs)
mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)
<: denotes concentration less than analytical method reporting limit
Bold and Highlighted exceeds OCD remediation action limits

Table 2
Confirmation Soil Sample Analytical Data Summary
Chevron USA, Salado 29 26 33 Produced Water Release
Lea County, New Mexico
North 32.022671 West -103.633424

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)
RAL:					**10**	**50**				**100/2,500**	**600/10,000**
C-1	Bottom	2	2/2/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	156
C-2	Sidewall	0 - 2	2/2/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	230
C-3	Bottom	4.1	2/2/2023	In-Situ	<0.00199	<0.00398	<49.8	89.7	<49.8	89.7	376
C-4	Bottom	3.5	2/2/2023	In-Situ	<0.00199	<0.00398	<49.9	97.0	<49.9	97.0	477
C-5	Bottom	4.1	2/2/2023	In-Situ	<0.00199	<0.00398	<50.0	80.9	<50.0	80.9	2,280
C-6	Bottom	4.1	2/2/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	276
C-7	Bottom	4.1	2/2/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	2,540
C-8	Bottom	3.5	2/2/2023	Excavated	<0.00199	<0.00398	<49.9	193	<49.9	**193**	**892**
		4.1	8/25/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	718
C-9	Bottom	4.1	2/2/2023	In-Situ	<0.00200	<0.00401	<50.0	570	<50.0	570	1,770
C-10	Bottom	3.5	2/7/2023	Excavated	<0.00200	<0.00401	<49.9	381	82.0	**463**	**2,230**
		4.1	8/25/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	208
C-11	Bottom	3	2/7/2023	Excavated	<0.00199	<0.00398	<49.9	69.6	<49.9	69.6	**1,420**
		4.1	8/25/2023	In-Situ	<0.00198	<0.00396	<49.6	217	<49.6	217	1,790
C-12	Bottom	3	2/7/2023	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**706**
		4.1	8/25/2023	In-Situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	2,420
C-13	Bottom	3.5	2/7/2023	In-Situ	<0.00200	<0.00399	<49.9	85.8	<49.9	85.8	485
C-14	Bottom	4.1	2/7/2023	In-Situ	<0.00198	<0.00396	<49.9	65.7	<49.9	65.7	1,390
C-15	Bottom	4.1	2/7/2023	In-Situ	<0.00200	<0.0041	<49.9	<49.9	<49.9	<49.9	693
C-16	Bottom	4.1	2/7/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	319
C-17	Bottom	4.1	2/7/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	1,760
C-18	Sidewall	0 - 3	2/7/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	287
C-19	Sidewall	0 - 4.1	2/7/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	477
C-20**	Sidewall	0 - 4.1	2/7/2023	In-Situ	<0.00200	<0.00400	<49.9	105	<49.9	**105**	**3,730**
C-21**	Sidewall	0 - 4.1	2/7/2023	In-Situ	<0.00200	<0.00400	<49.9	110	<49.9	**110**	**2,450**
C-22**	Sidewall	0 - 3.5	2/7/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**863**
C-23**	Sidewall	0 - 4.1	2/7/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**814**
C-24	Bottom	2	2/15/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	286
C-25	Bottom	2	2/15/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	170
C-26	Bottom	2	2/15/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	403

Table 2
Confirmation Soil Sample Analytical Data Summary
Chevron USA, Salado 29 26 33 Produced Water Release
Lea County, New Mexico
North 32.022671 West -103.633424

C-27	Bottom	2	2/15/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**2,690**
		4.1	4/4/2023	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	265
C-28	Bottom	2	2/15/2023	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	359
C-29	Bottom	2	2/15/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	91.6
C-30	Bottom	4.1	2/15/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	95.1
C-31	Bottom	4.1	2/15/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	191
C-32	Bottom	4.1	2/15/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	58.6
C-33	Bottom	4.1	2/15/2023	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	264
C-34	Bottom	4.1	2/15/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	76.2
C-35	Bottom	4.1	2/15/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,100
C-36	Bottom	4.1	2/15/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	1,360
C-37	Bottom	4.1	2/16/2023	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	225
C-38	Bottom	4.1	2/16/2023	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	6.92
C-39	Bottom	4.1	2/16/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	289
C-40	Bottom	4.1	2/16/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	1,230
C-41	Bottom	4.1	2/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	43.0
C-42	Bottom	4.1	2/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	148
C-43	Bottom	4.1	2/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,670
C-44	Bottom	4.1	2/16/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	210
C-45	Bottom	4.1	2/16/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	44.4
C-46	Bottom	4.1	2/16/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	623
C-47	Bottom	4.1	2/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	39.8
C-48	Bottom	4.1	2/16/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	160
C-49	Bottom	4.1	2/17/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	1,130
C-50	Bottom	4.1	2/17/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	1,060
C-51	Bottom	4.1	2/17/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	329
C-52	Bottom	4.1	2/17/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	2,580
C-53	Bottom	2	2/17/2023	Excavated	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	**1,040**
		4.1	8/25/2023	In-Situ	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	588
C-54	Bottom	4.1	2/17/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	2,660
C-55	Bottom	4.1	2/17/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	2,660
C-56	Bottom	4.1	2/17/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	157
C-57	Bottom	4.1	2/17/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	2,260
C-58	Bottom	4.1	2/17/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	2,730
C-59	Bottom	4.1	2/17/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	2,440
C-60	Bottom	2	2/17/2023	Excavated	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	**773**

Table 2
Confirmation Soil Sample Analytical Data Summary
Chevron USA, Salado 29 26 33 Produced Water Release
Lea County, New Mexico
North 32.022671 West -103.633424

		4.1	4/5/2023	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	57.3
C-61	Bottom	2	2/17/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**1,410**
		4.1	4/4/2023	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	1,290
C-62	Bottom	4.1	2/17/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	313
C-63	Bottom	4.1	2/17/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	528
C-64	Bottom	2	2/17/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	429
C-65	Bottom	2	2/17/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	255
C-66	Bottom	2	2/20/2023	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**654**
		4.1	4/4/2023	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	349
C-67	Bottom	2	2/23/2023	Excavated	<0.00199	<0.00396	<49.9	<49.9	<49.9	<49.9	**1,040**
		4.1	4/6/2023	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	1,050
C-68	Bottom	2	2/23/2023	Excavated	<0.00200	<0.00401	<50.0	57.2	<50.0	57.2	**3,260**
		4.1	4/12/2023	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	2,270
C-69	Bottom	2	2/23/2023	Excavated	<0.00200	<0.00399	<50.0	102	<50.0	**102**	**5,230**
		4.1	4/14/2023	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	522
C-70	Bottom	2	2/23/2023	Excavated	<0.00200	<0.00401	<49.9	51.0	<49.9	51.0	**906**
		4.1	4/12/2023	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	1,140
C-71	Bottom	2	2/23/2023	Excavated	<0.00199	<0.00398	<50.0	91.9	<50.0	91.9	**2,470**
		4.1	4/14/2023	In-Situ	<0.00118	<0.00235	<29.4	<29.4	<29.4	<29.4	501
C-72	Bottom	2	2/23/2023	Excavated	<0.00199	<0.00398	<49.9	157	<49.9	**157**	**3,260**
		4.1	4/14/2023	In-Situ	<0.00116	<0.00233	<29.1	<29.1	<29.1	<29.1	371
C-73	Bottom	4.1	4/6/2023	In-Situ	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	333
C-74	Bottom	4.1	4/6/2023	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	270
C-75	Bottom	4.1	4/10/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	320
SW-1	Sidewall	0 - 2	2/16/2023	Excavated	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	**767**
			4/4/2023	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	46.1
SW-2	Sidewall	0 - 4.1	2/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	265
SW-3	Sidewall	0 - 4.1	2/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	116
SW-4	Sidewall	2 - 4.1	2/16/2023	Excavated	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	**1,120**
	Bottom	4.1	4/12/2023	In-Situ	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	792
SW-5	Sidewall	2 - 4.1	2/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	443
SW-6	Sidewall	0 - 4.1	2/17/2023	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**662**
			4/6/2023	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	277
SW-7	Sidewall	0 - 4.1	2/17/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	340
SW-8	Sidewall	2 - 4.1	2/17/2023	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**1,910**
	Bottom	4.1	4/6/2023	In-Situ	<0.00118	<0.00235	<29.4	<29.4	<29.4	<29.4	2,490

Table 2

Confirmation Soil Sample Analytical Data Summary

Chevron USA, Salado 29 26 33 Produced Water Release

Lea County, New Mexico

North 32.022671 West -103.633424

SW-9	Sidewall	2 - 4.1	2/17/2023	Excavated	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	**2,370**
		0 - 4.1	4/6/2023	Excavated	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	**29,100**
		0 - 4.1	4/14/2023	In-Situ	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	21.5
SW-10	Sidewall	0 - 4.1	2/17/2023	Excavated	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	**762**
			4/10/2023	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	119
SW-11	Sidewall	0 - 4.1	2/17/2023	Excavated	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	**2,440**
			4/5/2023	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	239
SW-12	Sidewall	2 - 4.1	2/17/2023	Excavated	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	**1,280**
	Bottom	4.1	4/5/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	11.4
SW-13	Sidewall	0 - 2	2/17/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	134
SW-14	Sidewall	0 - 2	2/23/2023	Excavated	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**2,960**
		0 - 4.1	4/21/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	268
SW-15	Sidewall	0 - 2	2/23/2023	Excavated	<0.00200	<0.00399	<49.9	178	<49.9	**178**	**1,960**
		0 - 4.1	4/14/2023	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	66.2
BF-1	--	--	4/26/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	77.9
BF-2	--	--	4/26/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	56.9
BF-3	--	--	4/26/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	74.5
BF-4	--	--	4/26/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	86.7
BF-5	--	--	4/26/2023	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	97.5

Notes: analysis performed by Xenco Laboratories (Xenco), Midland, Texas and Carlsbad, New Mexico by EPA SW-846 Methods 8021B (BTEX) and 8015M (TPH), and Method 300 (chloride)

Depth in feet below ground surface (bgs)

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

* - Sample Locations where subsurface conditions (i.e., caliche) prevented further excavation with the hydrovac

** - Sidewall sample locations around the wellhead where a deferral is required

Bold and Highlighted Denotes Conetrations Above OCD Closure Criteria

Figures

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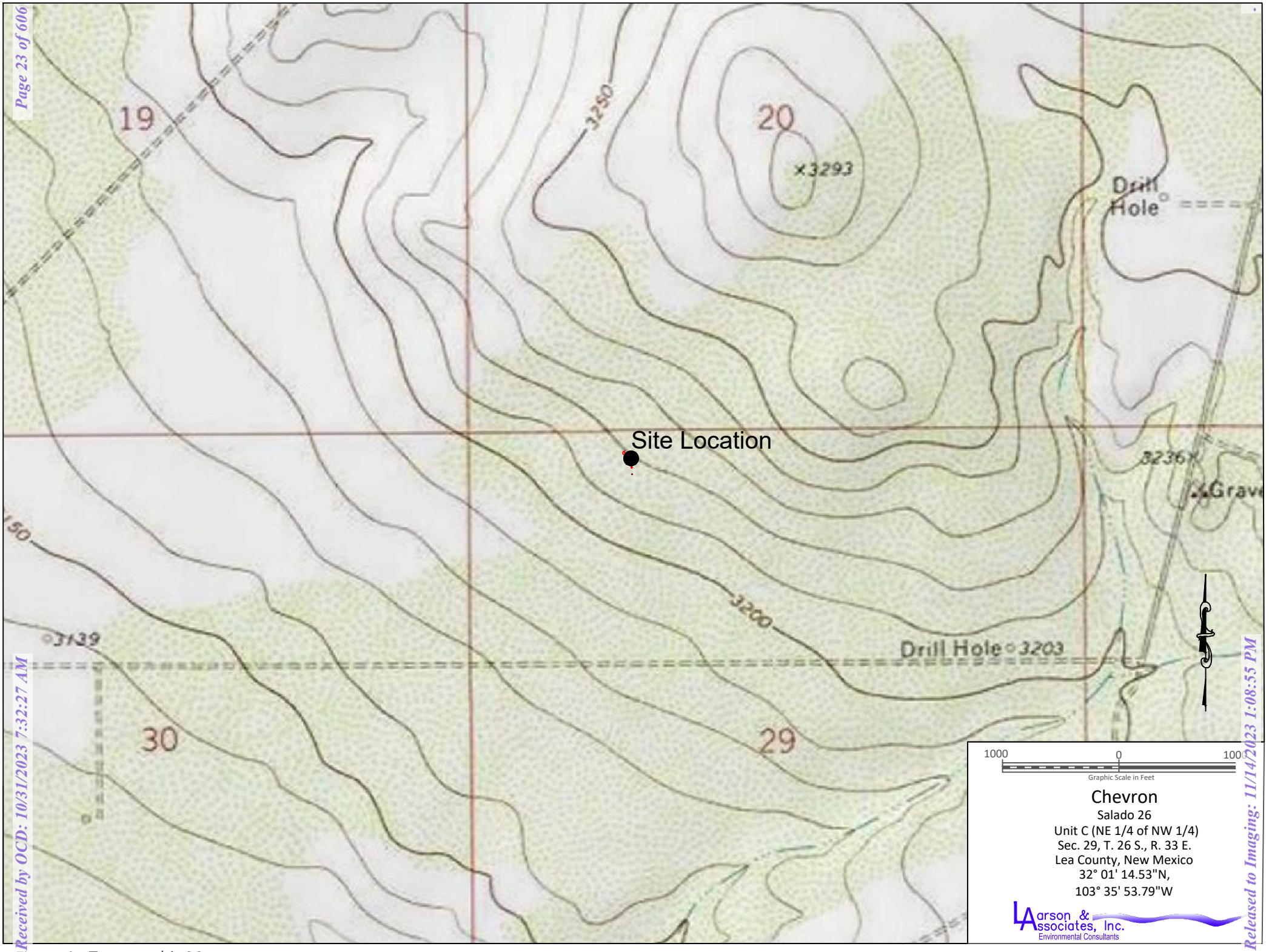


Figure 1 - Topographic Map

Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

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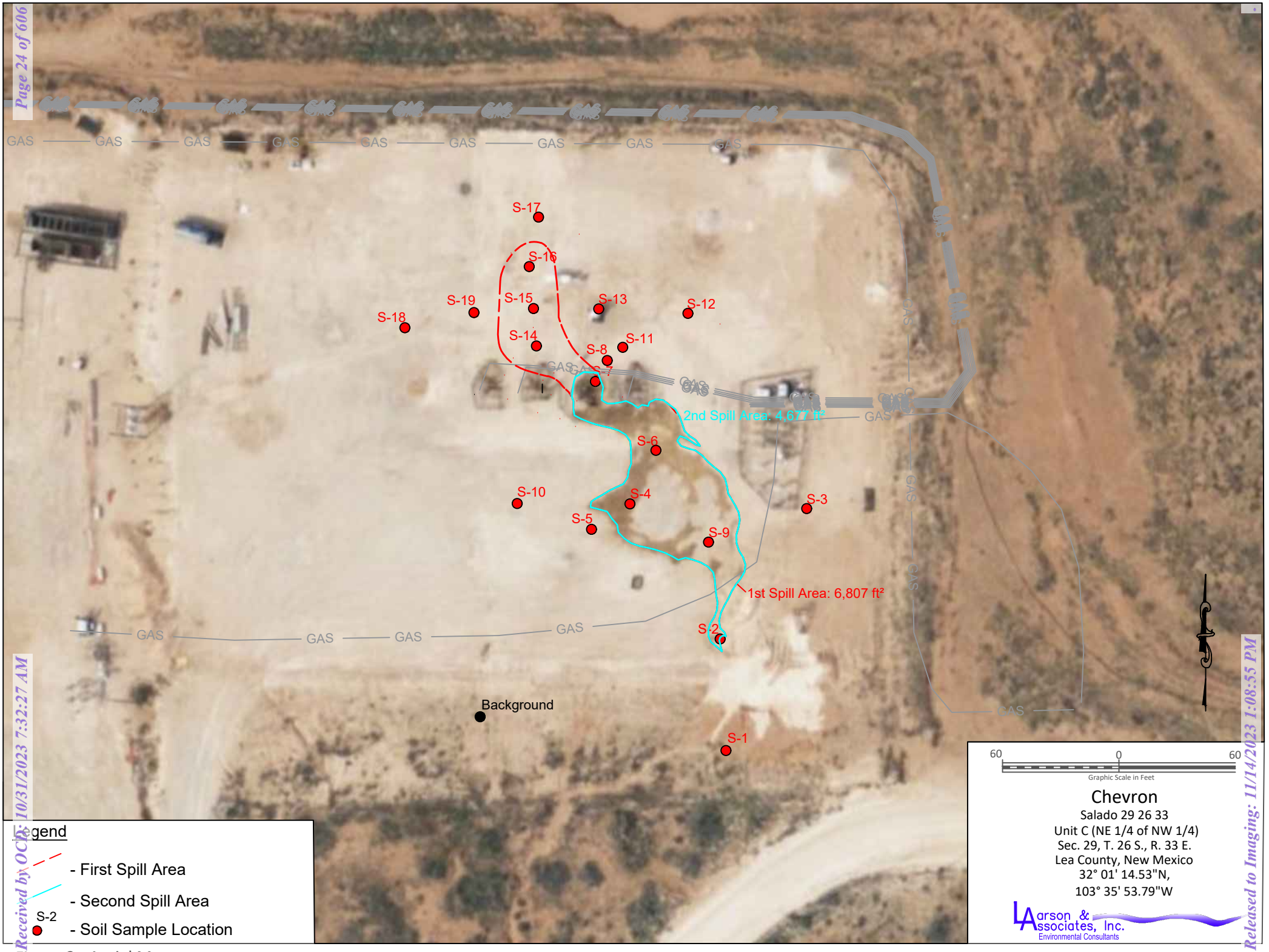


Figure 2 - Aerial Map

Received by OCD: 10/31/2023 7:32:27 AM

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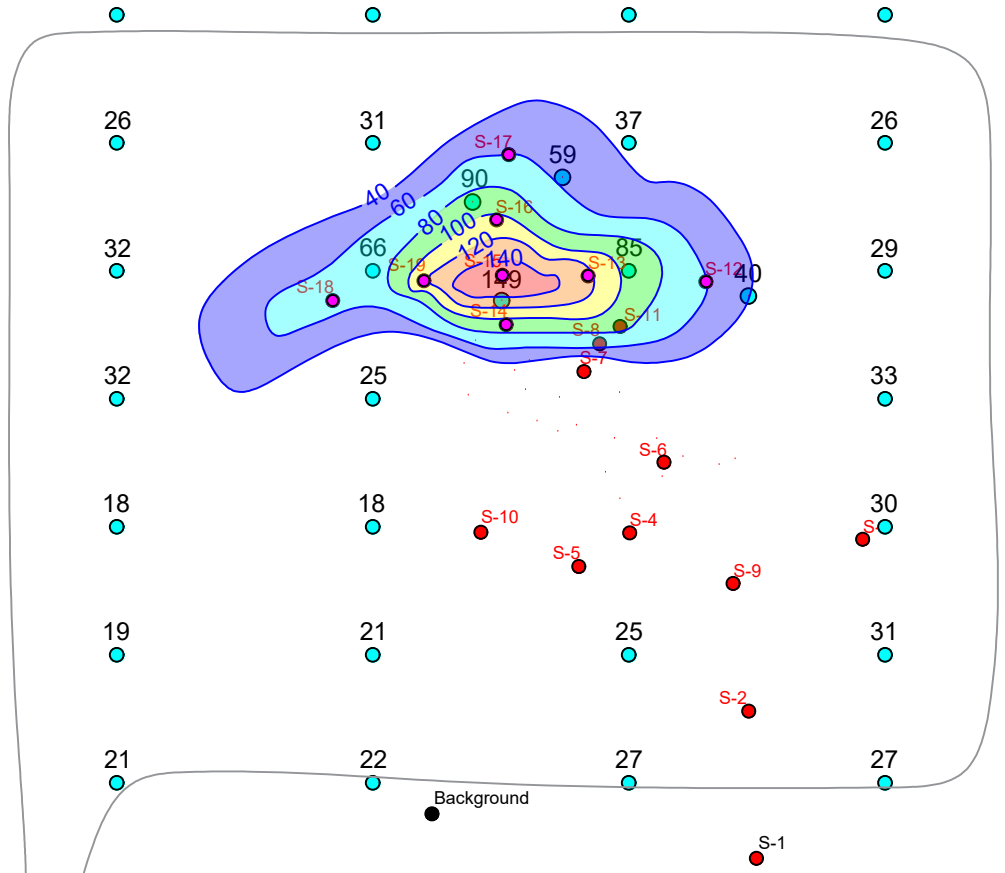


Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

Figure 3 - Aerial Map Showing Salado Draw Pad #10

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Legend

- 2x Bkgd (40)
- 3x Bkgd (60)
- 4x Bkgd (80)
- 5x Bkgd (100)
- 6x Bkgd (120)
- 7x Bkgd (140)
- Spill Area
- S-2 - Soil Sample Location
- S-12 - Additional Soil Sample Location
- 21 - EM-Survey Static on Conductivity, mmhos/m

Background: 19 mmhos/m

75 0 75
Graphic Scale in Feet

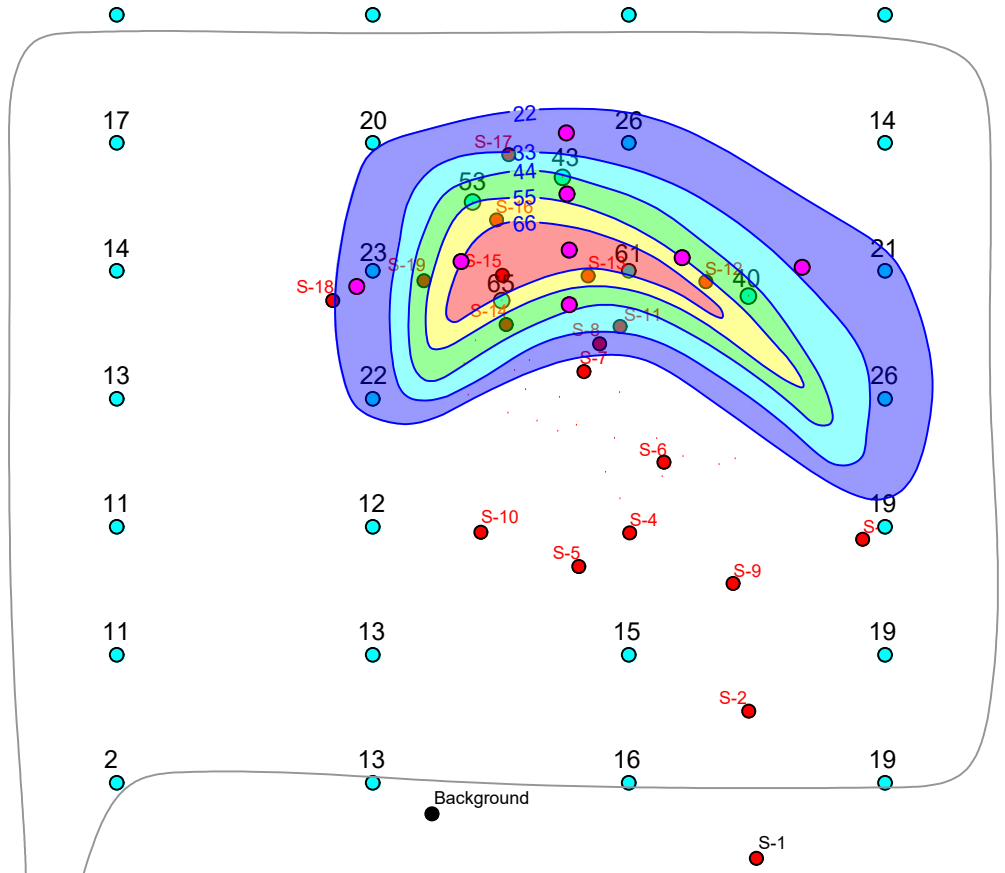
Chevron
Salado 29 26 33
Unit C (NE 1/4 of NW 1/4)
Sec. 29, T. 26 S., R. 33 E.
Lea County, New Mexico
32° 01' 14.53"N,
103° 35' 53.79"W

Larson & Associates, Inc.
Environmental Consultants

Figure 4a - EM-Survey HD Conductivity Map

Received by OCD: 10/31/2023 7:32:27 AM
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Legend

- 2x Bkgd (22)
- 3x Bkgd (33)
- 4x Bkgd (44)
- 5x Bkgd (55)
- 6x Bkgd (66)

- Spill Area
- S-2 - Soil Sample Location
- S-12 - Additional Soil Sample Location
- 21 - EM-Survey Static on Conductivity, mmhos/m
- Proposed Soil Sample Location

Background: 11 mmhos/m

75 0 75
Graphic Scale in Feet

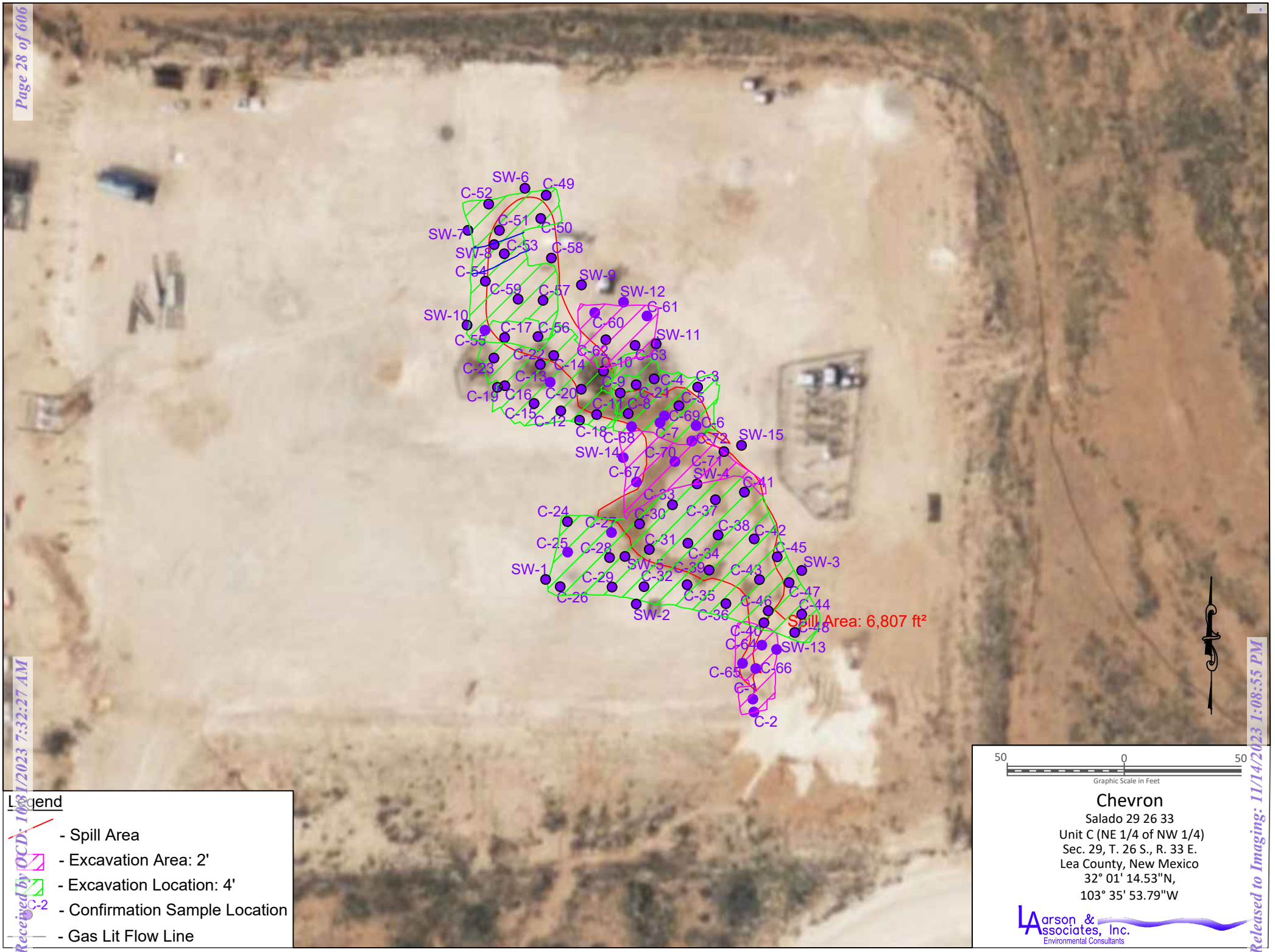
Chevron
Salado 29 26 33
Unit C (NE 1/4 of NW 1/4)
Sec. 29, T. 26 S., R. 33 E.
Lea County, New Mexico
32° 01' 14.53"N,
103° 35' 53.79"W

Larson & Associates, Inc.
Environmental Consultants

Figure 4b - EM-Survey VD Conductivity Map

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Legend

- Spill Area
- Excavation Area: 2'
- Excavation Location: 4'
- C-2 - Confirmation Sample Location
- Gas Lit Flow Line

50 0 50

Graphic Scale in Feet

Chevron

Salado 29 26 33

Unit C (NE 1/4 of NW 1/4)

Sec. 29, T. 26 S., R. 33 E.

Lea County, New Mexico

32° 01' 14.53"N,

103° 35' 53.79"W

Larson & Associates, Inc.

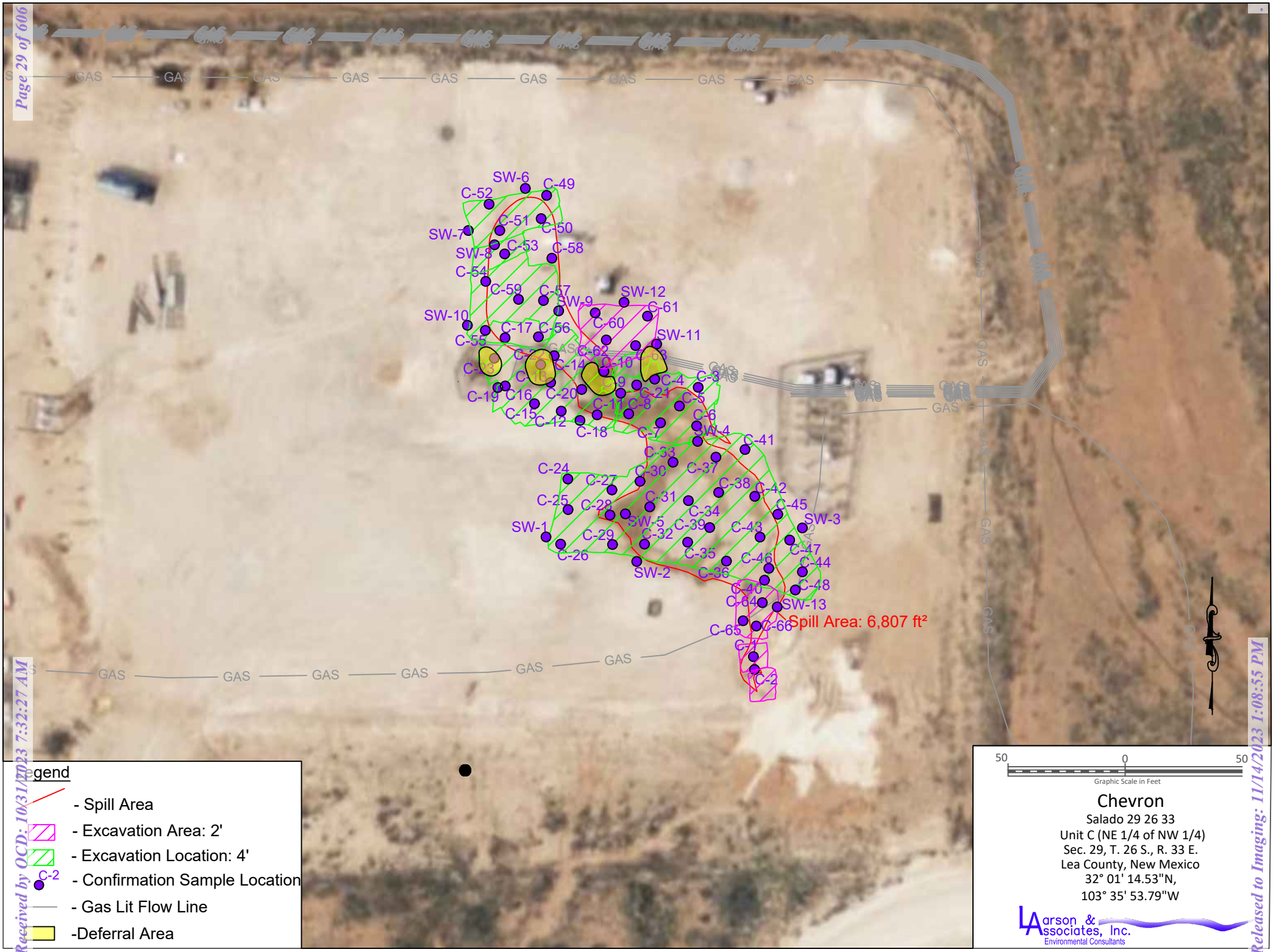
Environmental Consultants

Figure 5 - Aerial Map Showing Excavation Areas and Confirmation Samples

Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

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Legend

- Spill Area
- Excavation Area: 2'
- Excavation Location: 4'
- C-2 - Confirmation Sample Location
- Gas Lit Flow Line
- -Deferral Area

50 0 50

Graphic Scale in Feet

Chevron

Salado 29 26 33
Unit C (NE 1/4 of NW 1/4)
Sec. 29, T. 26 S., R. 33 E.
Lea County, New Mexico
32° 01' 14.53"N,
103° 35' 53.79"W

Larson & Associates, Inc.
Environmental Consultants

Figure 6 - Aerial Map Showing Deferral Areas

Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

Appendix A

Initial C-141's and Spill Calculations

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

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Chevron USA Inc.	Contact Josepha DeLeon
Address 6301 Deauville Blvd., Midland, TX 79706	Telephone No. 575-263-0424 Cell – 432-425-1528
Facility Name Salado Draw 29 26 33 Fed Com #004H	Facility Type Oil Well

Surface Owner	Mineral Owner	API No
Federal	Federal	30-025-42639

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	29	26S	33E	200	North	1353	West	Lea

Latitude 32.02109 Longitude -103.59812 NADA83

NATURE OF RELEASE

Type of Release Produced Water Spill	Volume of Release: 28.3 barrels produced water	Volume Recovered: 25 barrels produced water
Source of Release: Jet Pump	Date and Hour of Occurrence: 04/01/2018; 11:30 PM	Date and Hour of Discovery 04/02/2018; 12:20 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Olivia Yu; Maxey Brown – NMOCD Shelly Tucker; Jim Amos - BLM	
By Whom? Josepha DeLeon	Date and Hour: 04/02/2018; 4:30 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
N/A

RECEIVED
By Olivia Yu at 11:43 am, Apr 17, 2018

Describe Cause of Problem and Remedial Action Taken.*

Leak in flange rod connection to pump. Shut in lease.

Describe Area Affected and Cleanup Action Taken.*

Spill to unlined berm. Vacuum truck recovered 25 barrels of produced water. Remediation work plan to follow.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: JdeLeon

Printed Name: Josepha DeLeon

Title: HES Compliance Support - Environmental

E-mail Address: jdxd@chevron.com

Date: 4/12/2018 Phone: 575-263-0424

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: DJ

Approval Date: 4/17/2018 Expiration Date:

Conditions of Approval:
see attached directive

Attached ☑

* Attach Additional Sheets If Necessary

1RP-5022 nOY1810742559

pOY1810742695

Operator/Responsible Party,

The OCD has received the form C-141 you provided on _4/17/2018_ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number _1RP-5022__ has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

> *The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC.* [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District _1_ office in __Hobbs____ on or before _5/17/2018_. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

● Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

● Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

● Nominal detection limits for field and laboratory analyses must be provided.

● Composite sampling is not generally allowed.

● Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

●Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

● If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

● Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Appendix B

Karst Risk Potential


Salado 29 26 33
Medium

Appendix C

Soil Boring Log

BORING RECORD

Start: 12:15
Finish: 2:30

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG
	0	Sand, 2.5YR 5/8, Red, Well Sorted, Subrounded, Medium Fine Grained Quartz Sand	SW	
	10	Caliche, 7.5YR 8/3, Pink		
	20	Sand, 5YR 7/6, Reddish Yellow, Moderately Sorted, Subrounded, Fine Grained Quartz Sand with 10-20mm Clasts	SW	
	25	5YR 5/8,Yellowish Red, Moderately Sorted, Subrounded, Moderate Grained Quartz Sand with 5-10mm Clasts		
	40	5YR 6/6, Reddish Yellow, Poorly Sorted, Subrounded, Fine Grained Quartz Sand with 3-10mm Clasts		
	50	2.5YR 4/8, Red, Well Sorted Rounded, Fine Grained Quartz Sand		

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

SAMPLE: NUMBER | PID READING | RECOVERY | DEPTH (1, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65)

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

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

JOB NUMBER : Chevron/ 20-0107-08
HOLE DIAMETER : 5"
LOCATION : Salado Draw 29 26 33 32.0203484°, -103.5973505°
LAI GEOLOGIST : D. St. Germain
DRILLING CONTRACTOR : SDI
DRILLING METHOD : Air Rotary

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 11/30/2020

BORING NUMBER : GWB-1

BORING RECORD

Start: 12:15
Finish: 2:30

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG
	70			
	75		SW	
	80			
Groundwater at 86.30'	85			
	90	Sand, 5YR 4/6, Yellowish Red, Moderately Sorted, Subrounded, Medium Grained Quartz Sand with 1-3mm Clasts		
	95			
	100	7.5YR 5/8, Strong Brown, Moderately Sorted, Subrounded, Fine to Medium Grained Quartz Sand	SW	
	105	5YR 4/6, Yellowish Red, Moderately Sorted, Subrounded, Medium Grained Quartz Sand with 1-5mm Clasts		
	110			
	115	TD: 115'		
	120			

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

SAMPLE: NUMBER | PID READING | RECOVERY | DEPTH

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)
- L LABORATORY TEST LOCATION
- \+ PENETROMETER (TONS/ SQ. FT)
- NR NO RECOVERY

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 11/30/2020

BORING NUMBER : GWB-1

JOB NUMBER : Chevron/ 20-0107-08
HOLE DIAMETER : 5"
LOCATION : Salado Draw 29 26 33 32.0203484°, -103.5973505°
LAI GEOLOGIST : D. St. Germain
DRILLING CONTRACTOR : SDI
DRILLING METHOD : Air Rotary

Appendix D

NMOCD Communications

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Tuesday, September 8, 2020 3:59 PM
To: 'Barnhill, Amy D.'; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Eads, Cristina, EMNRD
Cc: 'CFO_Spill, BLM_NM'; 'Mark@laenvironmental.com'; 'DeLeon, Josepha'
Subject: NRM2009064906 SALADO DRAW 29 26 33 FEDERAL COM #003H PAD 4 @ 30-025-42638
Attachments: (C-141 Remediation Plan) NRM2009064906 SALADO DRAW 29 26 33 FEDERAL COM # 003H PAD 4 @ 30-025-42638.pdf

NRM2009064906 SALADO DRAW 29 26 33 FEDERAL COM #003H PAD 4 @ 30-025-42638

Ms. Barnhill,
The OCD has approved the Remediation Plan for incident # NRM2009064906 SALADO DRAW 29 26 33 FEDERAL COM #003H PAD 4 @ 30-025-42638 with the following conditions of approval:

- The Depth to groundwater has not been established. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, data should be no more than 25 years old, and well construction information should be provided. If Chevron chooses not to drill a borehole to confirm the depth to groundwater, this site must be remediated to meet the Closure Criteria in Table 1 for groundwater at a depth of 50 feet or less.
- Confirmation samples must be analyzed for the constituents listed in Table 1 of 19.15.29.12. NMAC. i.e. TPH, BTEX, Chloride and Benzene.

The signed C-141 can be found in the online image data base under the incident #.
Thank you,

Victoria Venegas
State of New Mexico
Energy, Minerals, and Natural Resources
Oil Conservation Division
811 S. First St., Artesia NM 88210
(575) 748-1283
Victoria.Venegas@state.nm.us

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

From: Robert Nelson
To: Hamlet, Robert, EMNRD; Velez, Nelson, EMNRD
Cc: Mark Larson; Barnhill, Amy D.; Daniel St. Germain
Subject: Salado Draw 29 26 33 (nOY1810742559/nRM2009064906) Excavation Backfill Notice
Date: Tuesday, August 29, 2023 9:16:00 AM
Attachments: image001.png
Table 2 Confirmation Soil Sample Analytical Data Summary - Salado 29 26 33.pdf
Figure 3 - Aerial Map Showing Excavation Areas and Confirmation Samples.pdf

---

Hello Mr. Hamlet and Mr. Velez,

Larson & Associates, Inc. (LAI), on behalf of Chevron USA, submits the attached confirmation (post remediation) laboratory analysis data and sample location map to the New Mexico Oil Conservation Division (OCD) District I to provide two (2) business days notification prior to backfilling the excavation at the Salado Draw 29 26 33 (nOY1810742559 / nRM2009064906) in Lea County, New Mexico. Please feel free to contact Amy Barnhill with Chevron at ABarnhill@Chevron.com, Mark Larson at (432) 687-0901 or mark@laenvironmental.com, or me with any questions or concerns.

Thank you,

Robert Nelson
Project Manager
Office – 432-687-0901
Cell – 432-664-4804
rnelson@laenvironmental.com

Appendix E

Laboratory Reports

Certificate of Analysis Summary 657840

Larson and Associates, Inc., Midland, TX

Project Name: Salado Draw 29 26 33

Project Id: 20-0107-08
Contact: Mark Larson
Project Location:

Date Received in Lab: Fri 04.03.2020 10:28
Report Date: 04.14.2020 17:27
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	657840-001		657840-002		657840-003		657840-004		657840-005		657840-006	
	Field Id:	S-1 (0-0.5')		S-1 (0.5-1')		S-2 (0-0.5')		S-3 (0-0.5')		S-4 (0-0.5')		S-5 (0-0.5')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.01.2020 13:00		04.01.2020 13:02		04.01.2020 13:05		04.01.2020 13:06		04.01.2020 13:08		04.01.2020 13:10	
BTEX by EPA 8021B	*Extracted:*	04.11.2020 08:00		04.11.2020 08:00		04.11.2020 08:00		04.11.2020 08:00		04.13.2020 16:00		04.11.2020 08:00	
	Analyzed:	04.11.2020 19:43		04.11.2020 20:03		04.11.2020 20:23		04.11.2020 20:43		04.14.2020 00:46		04.11.2020 19:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	0.0462	0.0402	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	0.0693	0.0402	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	0.313	0.0402	<0.00198	0.00198
m,p-Xylenes		<0.00399	0.00399	<0.00397	0.00397	<0.00400	0.00400	<0.00398	0.00398	0.189	0.0803	<0.00397	0.00397
o-Xylene		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	2.51	0.0402	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	2.70	0.0402	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199	3.13	0.0402	<0.00198	0.00198
TPH by SW8015 Mod	*Extracted:*	04.06.2020 12:00		04.06.2020 13:00		04.06.2020 13:00		04.06.2020 13:00		04.06.2020 13:00		04.06.2020 13:00	
	Analyzed:	04.06.2020 12:02		04.06.2020 13:08		04.06.2020 13:29		04.06.2020 13:51		04.06.2020 14:13		04.06.2020 14:35	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	397	250	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	72.6	49.9	<49.8	49.8	17700	250	82.9	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8	2160	250	<50.0	50.0
Total TPH		<50.0	50.0	<50.0	50.0	72.6	49.9	<49.8	49.8	20300	250	82.9	50.0

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Certificate of Analysis Summary 657840

Larson and Associates, Inc., Midland, TX

Project Name: Salado Draw 29 26 33

Project Id: 20-0107-08
Contact: Mark Larson
Project Location:

Date Received in Lab: Fri 04.03.2020 10:28
Report Date: 04.14.2020 17:27
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	657840-001		657840-002		657840-003		657840-004		657840-005		657840-006	
	Field Id:	S-1 (0-0.5')		S-1 (0.5-1')		S-2 (0-0.5')		S-3 (0-0.5')		S-4 (0-0.5')		S-5 (0-0.5')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.01.2020 13:00		04.01.2020 13:02		04.01.2020 13:05		04.01.2020 13:06		04.01.2020 13:08		04.01.2020 13:10	
Chloride by EPA 300	*Extracted:*	04.03.2020 15:00		04.03.2020 15:00		04.03.2020 15:00		04.03.2020 15:00		04.03.2020 15:00		04.03.2020 15:00	
	Analyzed:	04.03.2020 16:22		04.03.2020 17:15		04.03.2020 17:20		04.03.2020 17:25		04.03.2020 17:31		04.03.2020 17:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		20.0	5.05	8.12	4.96	444	5.03	8.79	4.99	99.3	5.00	832 X	5.00

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Holly Taylor
Project Manager

Certificate of Analysis Summary 657840

Larson and Associates, Inc., Midland, TX

Project Name: Salado Draw 29 26 33

Project Id: 20-0107-08
Contact: Mark Larson
Project Location:

Date Received in Lab: Fri 04.03.2020 10:28
Report Date: 04.14.2020 17:27
Project Manager: Holly Taylor

Analysis Requested									
	Lab Id:	657840-007		657840-008		657840-009				
	Field Id:	S-6 (0-0.5')		S-7 (0-0.5')		S-8 (0-0.5')				
	Depth:									
	Matrix:	SOIL		SOIL		SOIL				
	Sampled:	04.01.2020 13:12		04.01.2020 13:14		04.01.2020 13:16				
BTEX by EPA 8021B	***Extracted:***	04.13.2020 16:00		04.13.2020 16:00		04.13.2020 16:00				
	Analyzed:	04.14.2020 00:26		04.14.2020 04:31		04.14.2020 00:05				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Benzene		<0.0201	0.0201	0.119	0.0998	<0.00201	0.00201			
Toluene		0.0517	0.0201	12.4	0.0998	<0.00201	0.00201			
Ethylbenzene		0.0775	0.0201	12.4	0.0998	<0.00201	0.00201			
m,p-Xylenes		0.111	0.0402	31.7	0.200	<0.00402	0.00402			
o-Xylene		0.380	0.0201	13.7	0.0998	<0.00201	0.00201			
Total Xylenes		0.491	0.0201	45.4	0.0998	<0.00201	0.00201			
Total BTEX		0.620	0.0201	70.3	0.0998	<0.00201	0.00201			
TPH by SW8015 Mod	***Extracted:***	04.06.2020 13:00		04.06.2020 13:00		04.06.2020 13:00				
	Analyzed:	04.06.2020 14:56		04.06.2020 15:18		04.06.2020 15:40				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Gasoline Range Hydrocarbons (GRO)		140	49.9	2050	250	<50.0	50.0			
Diesel Range Organics (DRO)		1820	49.9	17400	250	95.4	50.0			
Motor Oil Range Hydrocarbons (MRO)		218	49.9	1990	250	<50.0	50.0			
Total TPH		2180	49.9	21400	250	95.4	50.0			

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Holly Taylor
Project Manager

Certificate of Analysis Summary 657840

Larson and Associates, Inc., Midland, TX

Project Name: Salado Draw 29 26 33

Project Id: 20-0107-08
Contact: Mark Larson
Project Location:

Date Received in Lab: Fri 04.03.2020 10:28
Report Date: 04.14.2020 17:27
Project Manager: Holly Taylor

Analysis Requested											
	Lab Id:	657840-007		657840-008		657840-009					
	Field Id:	S-6 (0-0.5')		S-7 (0-0.5')		S-8 (0-0.5')					
	Depth:										
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	04.01.2020 13:12		04.01.2020 13:14		04.01.2020 13:16					
Chloride by EPA 300	***Extracted:***	04.03.2020 15:00		04.03.2020 15:00		04.03.2020 15:00					
	Analyzed:	04.03.2020 17:52		04.03.2020 17:57		04.03.2020 18:13					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		1680	25.1	5440	99.6	1190	25.0				

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Holly Taylor
Project Manager

Analytical Report 657840

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Salado Draw 29 26 33

20-0107-08

04.14.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

04.14.2020

Project Manager: **Mark Larson**
Larson and Associates, Inc.
P. O. Box 50685
Midland, TX 79710

Reference: XENCO Report No(s): **657840**
Salado Draw 29 26 33
Project Address:

Mark Larson :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 657840. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 657840 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor

Holly Taylor
Project Manager

A Small Business and Minority Company

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Sample Cross Reference 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-1 (0-0.5')	S	04.01.2020 13:00		657840-001
S-1 (0.5-1')	S	04.01.2020 13:02		657840-002
S-2 (0-0.5')	S	04.01.2020 13:05		657840-003
S-3 (0-0.5')	S	04.01.2020 13:06		657840-004
S-4 (0-0.5')	S	04.01.2020 13:08		657840-005
S-5 (0-0.5')	S	04.01.2020 13:10		657840-006
S-6 (0-0.5')	S	04.01.2020 13:12		657840-007
S-7 (0-0.5')	S	04.01.2020 13:14		657840-008
S-8 (0-0.5')	S	04.01.2020 13:16		657840-009

CASE NARRATIVE

Client Name: Larson and Associates, Inc.

Project Name: Salado Draw 29 26 33

Project ID: *20-0107-08*
Work Order Number(s): *657840*

Report Date: *04.14.2020*
Date Received: *04.03.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3121971 Chloride by EPA 300

Lab Sample ID 657840-006 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 657840-001, -002, -003, -004, -005, -006, -007, -008, -009.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3122849 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Surrogate 4-Bromofluorobenzene recovered above QC limits. Samples affected are: 7701175-1-BKS,7701175-1-BSD,657840-006 S,657840-006 SD,657840-006,657840-002,657840-003.

Continuing calibration verifications failed high for benzene indicating a possible high bias for benzene. Since samples were non-detect they were reported.

Batch: LBA-3122909 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 657840-007,657840-008,657840-005.

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-1 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-001	Date Collected:	04.01.2020 13:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.03.2020 15:00	Basis:	Wet Weight
Seq Number:	3121971				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**20.0**	5.05	mg/kg	04.03.2020 16:22		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.06.2020 12:00	Basis:	Wet Weight
Seq Number:	3122172				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.06.2020 12:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.06.2020 12:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.06.2020 12:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.06.2020 12:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	04.06.2020 12:02	
o-Terphenyl	84-15-1	98	%	70-130	04.06.2020 12:02	

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-1 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-001	Date Collected:	04.01.2020 13:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 08:00	Basis:	Wet Weight
Seq Number:	3122849				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.11.2020 19:43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.11.2020 19:43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.11.2020 19:43	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.11.2020 19:43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.11.2020 19:43	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.11.2020 19:43	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.11.2020 19:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	04.11.2020 19:43	
4-Bromofluorobenzene	460-00-4	113	%	70-130	04.11.2020 19:43	

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-1 (0.5-1')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-002	Date Collected:	04.01.2020 13:02		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.03.2020 15:00	Basis:	Wet Weight
Seq Number:	3121971				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.12**	4.96	mg/kg	04.03.2020 17:15		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.06.2020 13:00	Basis:	Wet Weight
Seq Number:	3122172				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.06.2020 13:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.06.2020 13:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.06.2020 13:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.06.2020 13:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	04.06.2020 13:08	
o-Terphenyl	84-15-1	101	%	70-130	04.06.2020 13:08	

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-1 (0.5-1')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-002	Date Collected:	04.01.2020 13:02		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 08:00	Basis:	Wet Weight
Seq Number:	3122849				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	04.11.2020 20:03	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	04.11.2020 20:03	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	04.11.2020 20:03	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	04.11.2020 20:03	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	04.11.2020 20:03	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	04.11.2020 20:03	U	1
Total BTEX		<0.00198	0.00198	mg/kg	04.11.2020 20:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	04.11.2020 20:03	
4-Bromofluorobenzene	460-00-4	137	%	70-130	04.11.2020 20:03	**

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-2 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-003	Date Collected:	04.01.2020 13:05		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.03.2020 15:00	Basis:	Wet Weight
Seq Number:	3121971				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**444**	5.03	mg/kg	04.03.2020 17:20		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.06.2020 13:00	Basis:	Wet Weight
Seq Number:	3122172				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.06.2020 13:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	**72.6**	49.9	mg/kg	04.06.2020 13:29		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.06.2020 13:29	U	1
Total TPH	PHC635	**72.6**	49.9	mg/kg	04.06.2020 13:29		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	04.06.2020 13:29	
o-Terphenyl	84-15-1	117	%	70-130	04.06.2020 13:29	

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-2 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-003	Date Collected:	04.01.2020 13:05		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 08:00	Basis:	Wet Weight
Seq Number:	3122849				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.11.2020 20:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.11.2020 20:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.11.2020 20:23	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	04.11.2020 20:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.11.2020 20:23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.11.2020 20:23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.11.2020 20:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	04.11.2020 20:23	
4-Bromofluorobenzene	460-00-4	146	%	70-130	04.11.2020 20:23	**

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-3 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-004	Date Collected:	04.01.2020 13:06		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.03.2020 15:00	Basis:	Wet Weight
Seq Number:	3121971				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.79**	4.99	mg/kg	04.03.2020 17:25		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.06.2020 13:00	Basis:	Wet Weight
Seq Number:	3122172				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.06.2020 13:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.06.2020 13:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.06.2020 13:51	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.06.2020 13:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	04.06.2020 13:51	
o-Terphenyl	84-15-1	101	%	70-130	04.06.2020 13:51	

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-3 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-004	Date Collected:	04.01.2020 13:06		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 08:00	Basis:	Wet Weight
Seq Number:	3122849				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.11.2020 20:43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.11.2020 20:43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.11.2020 20:43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.11.2020 20:43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.11.2020 20:43	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.11.2020 20:43	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.11.2020 20:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	04.11.2020 20:43	
1,4-Difluorobenzene	540-36-3	104	%	70-130	04.11.2020 20:43	

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-4 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-005	Date Collected:	04.01.2020 13:08		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.03.2020 15:00	Basis:	Wet Weight
Seq Number:	3121971				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**99.3**	5.00	mg/kg	04.03.2020 17:31		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.06.2020 13:00	Basis:	Wet Weight
Seq Number:	3122172				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**397**	250	mg/kg	04.06.2020 14:13		5
Diesel Range Organics (DRO)	C10C28DRO	**17700**	250	mg/kg	04.06.2020 14:13		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**2160**	250	mg/kg	04.06.2020 14:13		5
Total TPH	PHC635	**20300**	250	mg/kg	04.06.2020 14:13		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	04.06.2020 14:13	
o-Terphenyl	84-15-1	90	%	70-130	04.06.2020 14:13	

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-4 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-005	Date Collected:	04.01.2020 13:08		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.13.2020 16:00	Basis:	Wet Weight
Seq Number:	3122909				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0462**	0.0402	mg/kg	04.14.2020 00:46		20
Toluene	108-88-3	**0.0693**	0.0402	mg/kg	04.14.2020 00:46		20
Ethylbenzene	100-41-4	**0.313**	0.0402	mg/kg	04.14.2020 00:46		20
m,p-Xylenes	179601-23-1	**0.189**	0.0803	mg/kg	04.14.2020 00:46		20
o-Xylene	95-47-6	**2.51**	0.0402	mg/kg	04.14.2020 00:46		20
Total Xylenes	1330-20-7	**2.70**	0.0402	mg/kg	04.14.2020 00:46		20
Total BTEX		**3.13**	0.0402	mg/kg	04.14.2020 00:46		20

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	145	%	70-130	04.14.2020 00:46	**
1,4-Difluorobenzene	540-36-3	103	%	70-130	04.14.2020 00:46	

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-5 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-006	Date Collected:	04.01.2020 13:10		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.03.2020 15:00	Basis:	Wet Weight
Seq Number:	3121971				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**832**	5.00	mg/kg	04.03.2020 17:36	X	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.06.2020 13:00	Basis:	Wet Weight
Seq Number:	3122172				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.06.2020 14:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	**82.9**	50.0	mg/kg	04.06.2020 14:35		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.06.2020 14:35	U	1
Total TPH	PHC635	**82.9**	50.0	mg/kg	04.06.2020 14:35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	04.06.2020 14:35	
o-Terphenyl	84-15-1	100	%	70-130	04.06.2020 14:35	

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-5 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-006	Date Collected:	04.01.2020 13:10		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 08:00	Basis:	Wet Weight
Seq Number:	3122849				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	04.11.2020 19:23	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	04.11.2020 19:23	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	04.11.2020 19:23	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	04.11.2020 19:23	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	04.11.2020 19:23	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	04.11.2020 19:23	U	1
Total BTEX		<0.00198	0.00198	mg/kg	04.11.2020 19:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	04.11.2020 19:23	
4-Bromofluorobenzene	460-00-4	140	%	70-130	04.11.2020 19:23	**

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-6 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-007	Date Collected:	04.01.2020 13:12		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.03.2020 15:00	Basis:	Wet Weight
Seq Number:	3121971				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1680**	25.1	mg/kg	04.03.2020 17:52		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.06.2020 13:00	Basis:	Wet Weight
Seq Number:	3122172				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**140**	49.9	mg/kg	04.06.2020 14:56		1
Diesel Range Organics (DRO)	C10C28DRO	**1820**	49.9	mg/kg	04.06.2020 14:56		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**218**	49.9	mg/kg	04.06.2020 14:56		1
Total TPH	PHC635	**2180**	49.9	mg/kg	04.06.2020 14:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-130	04.06.2020 14:56	
o-Terphenyl	84-15-1	111	%	70-130	04.06.2020 14:56	

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Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-6 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-007	Date Collected:	04.01.2020 13:12		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.13.2020 16:00	Basis:	Wet Weight
Seq Number:	3122909				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0201	0.0201	mg/kg	04.14.2020 00:26	U	10
Toluene	108-88-3	**0.0517**	0.0201	mg/kg	04.14.2020 00:26		10
Ethylbenzene	100-41-4	**0.0775**	0.0201	mg/kg	04.14.2020 00:26		10
m,p-Xylenes	179601-23-1	**0.111**	0.0402	mg/kg	04.14.2020 00:26		10
o-Xylene	95-47-6	**0.380**	0.0201	mg/kg	04.14.2020 00:26		10
Total Xylenes	1330-20-7	**0.491**	0.0201	mg/kg	04.14.2020 00:26		10
Total BTEX		**0.620**	0.0201	mg/kg	04.14.2020 00:26		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	04.14.2020 00:26	
4-Bromofluorobenzene	460-00-4	151	%	70-130	04.14.2020 00:26	**

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-7 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-008	Date Collected:	04.01.2020 13:14		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.03.2020 15:00	Basis:	Wet Weight
Seq Number:	3121971				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5440**	99.6	mg/kg	04.03.2020 17:57		20

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.06.2020 13:00	Basis:	Wet Weight
Seq Number:	3122172				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**2050**	250	mg/kg	04.06.2020 15:18		5
Diesel Range Organics (DRO)	C10C28DRO	**17400**	250	mg/kg	04.06.2020 15:18		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1990**	250	mg/kg	04.06.2020 15:18		5
Total TPH	PHC635	**21400**	250	mg/kg	04.06.2020 15:18		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-130	04.06.2020 15:18	
o-Terphenyl	84-15-1	101	%	70-130	04.06.2020 15:18	

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-7 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-008	Date Collected:	04.01.2020 13:14		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.13.2020 16:00	Basis:	Wet Weight
Seq Number:	3122909				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.119**	0.0998	mg/kg	04.14.2020 04:31		50
Toluene	108-88-3	**12.4**	0.0998	mg/kg	04.14.2020 04:31		50
Ethylbenzene	100-41-4	**12.4**	0.0998	mg/kg	04.14.2020 04:31		50
m,p-Xylenes	179601-23-1	**31.7**	0.200	mg/kg	04.14.2020 04:31		50
o-Xylene	95-47-6	**13.7**	0.0998	mg/kg	04.14.2020 04:31		50
Total Xylenes	1330-20-7	**45.4**	0.0998	mg/kg	04.14.2020 04:31		50
Total BTEX		**70.3**	0.0998	mg/kg	04.14.2020 04:31		50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	04.14.2020 04:31	
4-Bromofluorobenzene	460-00-4	211	%	70-130	04.14.2020 04:31	**

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-8 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-009	Date Collected:	04.01.2020 13:16		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.03.2020 15:00	Basis:	Wet Weight
Seq Number:	3121971				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1190**	25.0	mg/kg	04.03.2020 18:13		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.06.2020 13:00	Basis:	Wet Weight
Seq Number:	3122172				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.06.2020 15:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	**95.4**	50.0	mg/kg	04.06.2020 15:40		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.06.2020 15:40	U	1
Total TPH	PHC635	**95.4**	50.0	mg/kg	04.06.2020 15:40		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	04.06.2020 15:40	
o-Terphenyl	84-15-1	99	%	70-130	04.06.2020 15:40	

Certificate of Analytical Results 657840

Larson and Associates, Inc., Midland, TX

Salado Draw 29 26 33

Sample Id:	**S-8 (0-0.5')**	Matrix:	Soil	Date Received:	04.03.2020 10:28
Lab Sample Id:	657840-009	Date Collected:	04.01.2020 13:16		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.13.2020 16:00	Basis:	Wet Weight
Seq Number:	3122909				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	04.14.2020 00:05	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	04.14.2020 00:05	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	04.14.2020 00:05	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	04.14.2020 00:05	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	04.14.2020 00:05	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	04.14.2020 00:05	U	1
Total BTEX		<0.00201	0.00201	mg/kg	04.14.2020 00:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	04.14.2020 00:05	
4-Bromofluorobenzene	460-00-4	126	%	70-130	04.14.2020 00:05	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 657840

Larson and Associates, Inc.

Salado Draw 29 26 33

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121971 — Matrix: Solid — Date Prep: 04.03.2020
MB Sample Id: 7700500-1-BLK — LCS Sample Id: 7700500-1-BKS — LCSD Sample Id: 7700500-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	248	99	243	97	90-110	2	20	mg/kg	04.03.2020 16:11	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121971 — Matrix: Soil — Date Prep: 04.03.2020
Parent Sample Id: 657840-001 — MS Sample Id: 657840-001 S — MSD Sample Id: 657840-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	20.0	253	278	102	279	102	90-110	0	20	mg/kg	04.03.2020 16:27	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121971 — Matrix: Soil — Date Prep: 04.03.2020
Parent Sample Id: 657840-006 — MS Sample Id: 657840-006 S — MSD Sample Id: 657840-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	832	250	1050	87	1050	87	90-110	0	20	mg/kg	04.03.2020 17:41	X

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3122172 — Matrix: Solid — Date Prep: 04.06.2020
MB Sample Id: 7700671-1-BLK — LCS Sample Id: 7700671-1-BKS — LCSD Sample Id: 7700671-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	878	88	884	88	70-130	1	20	mg/kg	04.06.2020 11:19	
Diesel Range Organics (DRO)	<50.0	1000	956	96	944	94	70-130	1	20	mg/kg	04.06.2020 11:19	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	95		95		95		70-130	%	04.06.2020 11:19
o-Terphenyl	104		103		105		70-130	%	04.06.2020 11:19

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3122172 — Matrix: Solid — Date Prep: 04.06.2020
MB Sample Id: 7700671-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	04.06.2020 10:57	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 657840

Larson and Associates, Inc.

Salado Draw 29 26 33

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3122172 Matrix: Soil Date Prep: 04.06.2020
Parent Sample Id: 657840-001 MS Sample Id: 657840-001 S MSD Sample Id: 657840-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	932	93	931	93	70-130	0	20	mg/kg	04.06.2020 12:24	
Diesel Range Organics (DRO)	<49.9	997	980	98	1000	100	70-130	2	20	mg/kg	04.06.2020 12:24	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		96		70-130	%	04.06.2020 12:24
o-Terphenyl	101		103		70-130	%	04.06.2020 12:24

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3122849 Matrix: Solid Date Prep: 04.11.2020
MB Sample Id: 7701175-1-BLK LCS Sample Id: 7701175-1-BKS LCSD Sample Id: 7701175-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.122	122	0.109	109	70-130	11	35	mg/kg	04.11.2020 17:04	
Toluene	<0.00200	0.100	0.112	112	0.101	101	70-130	10	35	mg/kg	04.11.2020 17:04	
Ethylbenzene	<0.00200	0.100	0.106	106	0.0971	97	70-130	9	35	mg/kg	04.11.2020 17:04	
m,p-Xylenes	<0.00400	0.200	0.228	114	0.211	106	70-130	8	35	mg/kg	04.11.2020 17:04	
o-Xylene	<0.00200	0.100	0.118	118	0.109	109	70-130	8	35	mg/kg	04.11.2020 17:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		110		105		70-130	%	04.11.2020 17:04
4-Bromofluorobenzene	123		159	**	149	**	70-130	%	04.11.2020 17:04

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3122909 Matrix: Solid Date Prep: 04.13.2020
MB Sample Id: 7701209-1-BLK LCS Sample Id: 7701209-1-BKS LCSD Sample Id: 7701209-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0962	96	0.0877	88	70-130	9	35	mg/kg	04.14.2020 06:14	
Toluene	<0.00200	0.100	0.102	102	0.103	103	70-130	1	35	mg/kg	04.14.2020 06:14	
Ethylbenzene	<0.00200	0.100	0.100	100	0.105	105	70-130	5	35	mg/kg	04.14.2020 06:14	
m,p-Xylenes	<0.00400	0.200	0.203	102	0.215	108	70-130	6	35	mg/kg	04.14.2020 06:14	
o-Xylene	<0.00200	0.100	0.103	103	0.108	108	70-130	5	35	mg/kg	04.14.2020 06:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		106		100		70-130	%	04.14.2020 06:14
4-Bromofluorobenzene	112		107		111		70-130	%	04.14.2020 06:14

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 657840

Larson and Associates, Inc.

Salado Draw 29 26 33

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3122849 Matrix: Soil Date Prep: 04.11.2020
Parent Sample Id: 657840-006 MS Sample Id: 657840-006 S MSD Sample Id: 657840-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.110	111	0.116	115	70-130	5	35	mg/kg	04.11.2020 17:44	
Toluene	<0.00198	0.0992	0.0918	93	0.0953	94	70-130	4	35	mg/kg	04.11.2020 17:44	
Ethylbenzene	<0.00198	0.0992	0.0850	86	0.0894	89	70-130	5	35	mg/kg	04.11.2020 17:44	
m,p-Xylenes	<0.00397	0.198	0.158	80	0.170	85	70-130	7	35	mg/kg	04.11.2020 17:44	
o-Xylene	<0.00198	0.0992	0.103	104	0.108	107	70-130	5	35	mg/kg	04.11.2020 17:44	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		119		70-130	%	04.11.2020 17:44
4-Bromofluorobenzene	152	**	168	**	70-130	%	04.11.2020 17:44

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3122909 Matrix: Soil Date Prep: 04.13.2020
Parent Sample Id: 658650-001 MS Sample Id: 658650-001 S MSD Sample Id: 658650-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0690	69	0.0734	74	70-130	6	35	mg/kg	04.13.2020 20:01	X
Toluene	<0.00200	0.0998	0.0684	69	0.0729	73	70-130	6	35	mg/kg	04.13.2020 20:01	X
Ethylbenzene	<0.00200	0.0998	0.0589	59	0.0618	62	70-130	5	35	mg/kg	04.13.2020 20:01	X
m,p-Xylenes	<0.00399	0.200	0.120	60	0.124	62	70-130	3	35	mg/kg	04.13.2020 20:01	X
o-Xylene	<0.00200	0.0998	0.0580	58	0.0616	62	70-130	6	35	mg/kg	04.13.2020 20:01	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		108		70-130	%	04.13.2020 20:01
4-Bromofluorobenzene	105		106		70-130	%	04.13.2020 20:01

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

Final 1.000

Page 31 of 32

057840

№1133

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 4/3/2020 PAGE 1 OF 1

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Salado Draw 29 2633

LAI PROJECT #: 20-0107-08 COLLECTOR: EC/DS

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE 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 ☐	TBLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
S-1 (0-0.5')		4/1/20	1300	S	1				X		X			X	X	X												X		
S-1 (0.5-1')			1302																											
S-2 (0-0.5')			1305																											
S-3 (0-0.5')			1306																											
S-4 (0-0.5')			1308																											
S-5 (0-0.5')			1310																											
S-6 (0-0.5')			1312																											
S-7 (0-0.5')			1314																											
S-8 (0-0.5')			1316																											

TOTAL 9

RELINQUISHED BY:(Signature) Rachel Owen DATE/TIME 4.3.20 1028 RECEIVED BY: (Signature)

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

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

LABORATORY: Xenco

TURN AROUND TIME
NORMAL ☐
1 DAY ☐
2 DAY ☐
OTHER ☒ 5days

LABORATORY USE ONLY:
RECEIVING TEMP: 0.6/0.3 THERM#: R9
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Date/ Time Received: 04.03.2020 10.28.00 AM

Work Order #: 657840

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 04.03.2020

Brianna Teel

Checklist reviewed by: Holly Taylor Date: 04.06.2020

Holly Taylor

Certificate of Analysis Summary 659619

Larson and Associates, Inc., Midland, TX

Project Name: Salado 29 26 33

Project Id: 20-0107-08
Contact: Mark Larson
Project Location:

Date Received in Lab: Thu 04.23.2020 10:20
Report Date: 05.06.2020 16:18
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	659619-001		659619-002		659619-003		659619-004		659619-005		659619-006	
	Field Id:	S-10 (0-0.5')		S-10 (0.5-1')		S-9 (0-0.5')		S-9 (0.5-1')		S-2 (1')		S-2 (3')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.21.2020 12:36		04.21.2020 12:40		04.21.2020 13:05		04.21.2020 13:09		04.21.2020 14:30		04.21.2020 14:37	
BTEX by EPA 8021B	***Extracted:***	04.30.2020 08:00		04.30.2020 08:00		04.30.2020 08:00		04.30.2020 08:00		04.30.2020 08:00		04.30.2020 08:00	
	Analyzed:	04.30.2020 12:55		04.30.2020 13:15		04.30.2020 13:35		04.30.2020 13:55		04.30.2020 14:16		04.30.2020 14:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00401	0.00401	<0.00398	0.00398	<0.00399	0.00399	<0.00396	0.00396	<0.00400	0.00400
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	04.23.2020 16:30		04.23.2020 16:30		04.23.2020 16:30		04.23.2020 16:30		04.23.2020 16:30		04.23.2020 16:30	
	Analyzed:	04.24.2020 11:29		04.24.2020 11:34		04.24.2020 11:39		04.24.2020 11:45		04.24.2020 11:50		04.24.2020 11:55	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		35.7	5.03	23.2	5.01	454	4.98	385	4.96	3650	49.5	182	4.95
TPH by SW8015 Mod	***Extracted:***	04.23.2020 16:00		04.23.2020 16:00		04.23.2020 16:00		04.23.2020 16:00		04.23.2020 16:00		04.23.2020 16:00	
	Analyzed:	04.23.2020 21:17		04.23.2020 22:20		04.23.2020 22:41		04.23.2020 23:02		04.23.2020 23:23		04.23.2020 23:43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Certificate of Analysis Summary 659619

Larson and Associates, Inc., Midland, TX

Project Name: Salado 29 26 33

Project Id: 20-0107-08
Contact: Mark Larson
Project Location:

Date Received in Lab: Thu 04.23.2020 10:20
Report Date: 05.06.2020 16:18
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	659619-007		659619-009		659619-010		659619-011		659619-013		659619-014	
	Field Id:	S-2 (5')		S-3 (1')		S-3 (3')		S-3 (5')		S-4 (1')		S-4 (3')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.21.2020 14:40		04.22.2020 10:20		04.22.2020 10:21		04.22.2020 11:07		04.22.2020 11:42		04.22.2020 11:43	
BTEX by EPA 8021B	***Extracted:***	05.01.2020 10:00		05.01.2020 10:00		05.01.2020 10:00		05.01.2020 10:00		05.01.2020 10:00		05.01.2020 10:00	
	Analyzed:	05.01.2020 11:41		05.01.2020 12:42		05.01.2020 13:02		05.01.2020 13:43		05.01.2020 14:04		05.01.2020 14:24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
m,p-Xylenes		<0.00400	0.00400	<0.00398	0.00398	<0.00399	0.00399	<0.00400	0.00400	<0.00398	0.00398	<0.00396	0.00396
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Chloride by EPA 300	***Extracted:***	04.23.2020 16:30		04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:00	
	Analyzed:	04.24.2020 12:00		04.24.2020 12:43		04.24.2020 12:58		04.24.2020 13:04		04.24.2020 13:09		04.24.2020 13:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		77.7	5.00	46.2	5.05	39.7	5.01	74.6	4.99	3520	24.8	1330	24.8
TPH by SW8015 Mod	***Extracted:***	04.23.2020 16:00		04.23.2020 16:00		04.23.2020 16:00		04.23.2020 16:00		04.23.2020 16:00		04.23.2020 16:00	
	Analyzed:	04.24.2020 00:05		04.24.2020 00:47		04.24.2020 01:08		04.24.2020 01:50		04.24.2020 02:11		04.24.2020 02:32	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8	600	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8	61.3	50.0	<50.0	50.0
Total TPH		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8	661	50.0	<50.0	50.0

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Certificate of Analysis Summary 659619

Larson and Associates, Inc., Midland, TX

Project Name: Salado 29 26 33

Project Id: 20-0107-08
Contact: Mark Larson
Project Location:

Date Received in Lab: Thu 04.23.2020 10:20
Report Date: 05.06.2020 16:18
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	659619-015		659619-017		659619-018		659619-019		659619-021		659619-022	
	Field Id:	S-4 (5')		S-5 (1')		S-5 (3')		S-5 (5")		S-6 (1')		S-6 (3')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.22.2020 11:48		04.22.2020 11:55		04.22.2020 11:56		04.22.2020 12:01		04.22.2020 11:15		04.22.2020 11:16	
BTEX by EPA 8021B	***Extracted:***	05.01.2020 10:00		05.02.2020 10:00		05.02.2020 10:00		05.02.2020 10:00		04.30.2020 09:00		04.30.2020 09:00	
	Analyzed:	05.01.2020 14:44		05.03.2020 12:01		05.03.2020 12:21		05.03.2020 12:41		04.30.2020 14:00		04.30.2020 14:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00404	0.00404	<0.00399	0.00399	<0.00396	0.00396	<0.00397	0.00397	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Total Xylenes		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:00	
	Analyzed:	04.24.2020 13:30		04.24.2020 13:35		04.24.2020 13:41		04.24.2020 13:46		04.24.2020 13:51		04.24.2020 13:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		74.8	5.04	1800	25.0	66.8	5.00	63.9	4.98	4810	49.6	35.6	5.05
TPH by SW8015 Mod	***Extracted:***	04.23.2020 16:00		04.23.2020 16:00		04.23.2020 16:00		04.23.2020 16:00		04.23.2020 16:00		04.23.2020 16:00	
	Analyzed:	04.24.2020 02:53		04.24.2020 03:14		04.24.2020 03:35		04.24.2020 03:56		04.24.2020 04:17		04.24.2020 04:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	358	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0
Total TPH		<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	358	49.9	<50.0	50.0

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Holly Taylor
Project Manager

Certificate of Analysis Summary 659619

Larson and Associates, Inc., Midland, TX

Project Name: Salado 29 26 33

Project Id: 20-0107-08
Contact: Mark Larson
Project Location:

Date Received in Lab: Thu 04.23.2020 10:20
Report Date: 05.06.2020 16:18
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	659619-023		659619-025		659619-026		659619-027		659619-029		659619-030	
	Field Id:	S-6 (5')		S-7 (1')		S-7 (3')		S-7 (5')		S-8 (1')		S-8 (3')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.22.2020 11:17		04.22.2020 11:20		04.22.2020 11:21		04.22.2020 11:28		04.22.2020 12:10		04.22.2020 12:11	
BTEX by EPA 8021B	***Extracted:***	04.30.2020 09:00		05.02.2020 10:00		05.02.2020 10:00		05.02.2020 10:00		05.04.2020 17:00		05.02.2020 08:00	
	Analyzed:	04.30.2020 14:41		05.03.2020 13:02		05.03.2020 13:22		05.03.2020 13:42		05.04.2020 18:51		05.03.2020 12:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00401	0.00401	<0.00399	0.00399	<0.00398	0.00398	<0.00398	0.00398	<0.00400	0.00400	<0.00396	0.00396
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Chloride by EPA 300	***Extracted:***	04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:00	
	Analyzed:	04.24.2020 14:12		04.24.2020 14:17		04.24.2020 14:33		04.24.2020 14:39		04.24.2020 14:44		04.24.2020 14:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		10.3	4.99	3500	24.9	1650	25.2	28.5	5.02	2400	25.0	3730	24.8
TPH by SW8015 Mod	***Extracted:***	04.23.2020 16:00		04.24.2020 11:00		04.24.2020 11:00		04.24.2020 11:00		04.24.2020 11:00		04.24.2020 11:00	
	Analyzed:	04.24.2020 04:59		04.24.2020 16:30		04.24.2020 16:52		04.24.2020 17:34		04.24.2020 17:55		04.24.2020 18:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.8	49.8	<49.9	49.9	99.4	49.8
Diesel Range Organics (DRO)		<50.0	50.0	567	50.0	<50.0	50.0	<49.8	49.8	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	75.9	50.0	<50.0	50.0	<49.8	49.8	<49.9	49.9	<49.8	49.8
Total TPH		<50.0	50.0	643	50.0	<50.0	50.0	<49.8	49.8	<49.9	49.9	99.4	49.8

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Holly Taylor
Project Manager

Certificate of Analysis Summary 659619

Larson and Associates, Inc., Midland, TX

Project Name: Salado 29 26 33

Project Id: 20-0107-08
Contact: Mark Larson
Project Location:

Date Received in Lab: Thu 04.23.2020 10:20
Report Date: 05.06.2020 16:18
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	659619-031		659619-033		659619-034		659619-035					
	Field Id:	S-8 (5')		S-11 (1')		S-11 (3')		S-11 (5')					
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	04.22.2020 12:16		04.22.2020 10:05		04.22.2020 10:06		04.22.2020 10:10					
BTEX by EPA 8021B	***Extracted:***	05.02.2020 08:00		05.04.2020 17:00		04.30.2020 09:00		05.02.2020 08:00					
	Analyzed:	05.03.2020 12:30		05.04.2020 20:13		04.30.2020 11:37		05.03.2020 11:49					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00198	0.00198	0.0342	0.0199	<0.00198	0.00198	<0.00200	0.00200				
Toluene		<0.00198	0.00198	0.0209	0.0199	<0.00198	0.00198	<0.00200	0.00200				
Ethylbenzene		<0.00198	0.00198	0.397	0.0199	<0.00198	0.00198	<0.00200	0.00200				
m,p-Xylenes		<0.00396	0.00396	<0.0398	0.0398	<0.00397	0.00397	<0.00401	0.00401				
o-Xylene		<0.00198	0.00198	0.125	0.0199	<0.00198	0.00198	<0.00200	0.00200				
Total Xylenes		<0.00198	0.00198	0.125	0.0199	<0.00198	0.00198	<0.00200	0.00200				
Total BTEX		<0.00198	0.00198	0.577	0.0199	<0.00198	0.00198	<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:00		04.23.2020 17:15					
	Analyzed:	04.24.2020 14:54		04.24.2020 15:00		04.24.2020 15:05		04.24.2020 16:09					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		13.3	5.03	1800	25.0	75.2	4.98	11.6 X	4.96				
TPH by SW8015 Mod	***Extracted:***	04.23.2020 10:30		04.23.2020 10:30		04.23.2020 10:30		04.23.2020 10:30					
	Analyzed:	04.23.2020 18:26		04.23.2020 18:47		04.23.2020 19:09		04.23.2020 19:30					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	117	50.0	<49.9	49.9	<50.0	50.0				
Diesel Range Organics (DRO)		<49.8	49.8	3730	50.0	<49.9	49.9	<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	464	50.0	<49.9	49.9	<50.0	50.0				
Total TPH		<49.8	49.8	4310	50.0	<49.9	49.9	<50.0	50.0				

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Holly Taylor
Project Manager

Analytical Report 659619

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Salado 29 26 33

20-0107-08

05.06.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-32), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-23), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

05.06.2020

Project Manager: **Mark Larson**
Larson and Associates, Inc.
P. O. Box 50685
Midland, TX 79710

Reference: XENCO Report No(s): **659619**
Salado 29 26 33
Project Address:

Mark Larson :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 659619. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 659619 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor

Holly Taylor
Project Manager

A Small Business and Minority Company

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Sample Cross Reference 659619

Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-10 (0-0.5')	S	04.21.2020 12:36		659619-001
S-10 (0.5-1')	S	04.21.2020 12:40		659619-002
S-9 (0-0.5')	S	04.21.2020 13:05		659619-003
S-9 (0.5-1')	S	04.21.2020 13:09		659619-004
S-2 (1')	S	04.21.2020 14:30		659619-005
S-2 (3')	S	04.21.2020 14:37		659619-006
S-2 (5')	S	04.21.2020 14:40		659619-007
S-3 (1')	S	04.22.2020 10:20		659619-009
S-3 (3')	S	04.22.2020 10:21		659619-010
S-3 (5')	S	04.22.2020 11:07		659619-011
S-4 (1')	S	04.22.2020 11:42		659619-013
S-4 (3')	S	04.22.2020 11:43		659619-014
S-4 (5')	S	04.22.2020 11:48		659619-015
S-5 (1')	S	04.22.2020 11:55		659619-017
S-5 (3')	S	04.22.2020 11:56		659619-018
S-5 (5")	S	04.22.2020 12:01		659619-019
S-6 (1')	S	04.22.2020 11:15		659619-021
S-6 (3')	S	04.22.2020 11:16		659619-022
S-6 (5')	S	04.22.2020 11:17		659619-023
S-7 (1')	S	04.22.2020 11:20		659619-025
S-7 (3')	S	04.22.2020 11:21		659619-026
S-7 (5')	S	04.22.2020 11:28		659619-027
S-8 (1')	S	04.22.2020 12:10		659619-029
S-8 (3')	S	04.22.2020 12:11		659619-030
S-8 (5')	S	04.22.2020 12:16		659619-031
S-11 (1')	S	04.22.2020 10:05		659619-033
S-11 (3')	S	04.22.2020 10:06		659619-034
S-11 (5')	S	04.22.2020 10:10		659619-035
S-2 (10')	S	04.21.2020 14:48		Not Analyzed
S-3 (10')	S	04.22.2020 11:06		Not Analyzed
S-4 (10')	S	04.22.2020 11:47		Not Analyzed
S-5 (10')	S	04.22.2020 12:00		Not Analyzed
S-6 (10')	S	04.22.2020 11:18		Not Analyzed
S-7 (10')	S	04.21.2020 11:29		Not Analyzed
S-8 (10')	S	04.22.2020 12:15		Not Analyzed
S-11 (10')	S	04.22.2020 10:11		Not Analyzed

CASE NARRATIVE

Client Name: Larson and Associates, Inc.

Project Name: Salado 29 26 33

Project ID: *20-0107-08*
Work Order Number(s): *659619*

Report Date: *05.06.2020*
Date Received: *04.23.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3124178 TPH by SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 659619-029.

Batch: LBA-3124214 Chloride by EPA 300

Lab Sample ID 659639-015 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 659619-035.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3124694 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered below QC limits. Samples affected are: 7702436-1-BLK.

Batch: LBA-3124923 BTEX by EPA 8021B

Lab Sample ID 659619-017 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 659619-017, -018, -019, -025, -026, -027.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Surrogate 4-Bromofluorobenzene recovered below QC limits. Samples affected are: 7702614-1-BLK.

Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.
Samples in the analytical batch are: 659619-017, -018, -019, -025, -026, -027

Certificate of Analytical Results 659619

Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-10 (0-0.5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-001	Date Collected:	04.21.2020 12:36		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 16:30	Basis:	Wet Weight
Seq Number:	3124106				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.7**	5.03	mg/kg	04.24.2020 11:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.23.2020 21:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.23.2020 21:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.23.2020 21:17	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.23.2020 21:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	04.23.2020 21:17	
o-Terphenyl	84-15-1	94	%	70-130	04.23.2020 21:17	

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Salado 29 26 33

Sample Id:	**S-10 (0-0.5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-001	Date Collected:	04.21.2020 12:36		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.30.2020 08:00	Basis:	Wet Weight
Seq Number:	3124694				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.30.2020 12:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.30.2020 12:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.30.2020 12:55	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.30.2020 12:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.30.2020 12:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.30.2020 12:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.30.2020 12:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	04.30.2020 12:55	
1,4-Difluorobenzene	540-36-3	102	%	70-130	04.30.2020 12:55	

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Sample Id:	**S-10 (0.5-1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-002	Date Collected:	04.21.2020 12:40		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 16:30	Basis:	Wet Weight
Seq Number:	3124106				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.2**	5.01	mg/kg	04.24.2020 11:34		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.23.2020 22:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.23.2020 22:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.23.2020 22:20	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.23.2020 22:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	04.23.2020 22:20	
o-Terphenyl	84-15-1	98	%	70-130	04.23.2020 22:20	

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Salado 29 26 33

Sample Id:	**S-10 (0.5-1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-002	Date Collected:	04.21.2020 12:40		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.30.2020 08:00	Basis:	Wet Weight
Seq Number:	3124694				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.30.2020 13:15	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.30.2020 13:15	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.30.2020 13:15	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	04.30.2020 13:15	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.30.2020 13:15	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.30.2020 13:15	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.30.2020 13:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	04.30.2020 13:15	
4-Bromofluorobenzene	460-00-4	99	%	70-130	04.30.2020 13:15	

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Salado 29 26 33

Sample Id:	**S-9 (0-0.5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-003	Date Collected:	04.21.2020 13:05		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 16:30	Basis:	Wet Weight
Seq Number:	3124106				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**454**	4.98	mg/kg	04.24.2020 11:39		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.23.2020 22:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.23.2020 22:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.23.2020 22:41	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.23.2020 22:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-130	04.23.2020 22:41	
o-Terphenyl	84-15-1	104	%	70-130	04.23.2020 22:41	

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Salado 29 26 33

Sample Id:	**S-9 (0-0.5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-003	Date Collected:	04.21.2020 13:05		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.30.2020 08:00	Basis:	Wet Weight
Seq Number:	3124694				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.30.2020 13:35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.30.2020 13:35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.30.2020 13:35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.30.2020 13:35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.30.2020 13:35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.30.2020 13:35	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.30.2020 13:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	04.30.2020 13:35	
4-Bromofluorobenzene	460-00-4	108	%	70-130	04.30.2020 13:35	

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Sample Id:	**S-9 (0.5-1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-004	Date Collected:	04.21.2020 13:09		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 16:30	Basis:	Wet Weight
Seq Number:	3124106				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**385**	4.96	mg/kg	04.24.2020 11:45		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.23.2020 23:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.23.2020 23:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.23.2020 23:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.23.2020 23:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	04.23.2020 23:02	
o-Terphenyl	84-15-1	104	%	70-130	04.23.2020 23:02	

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Salado 29 26 33

Sample Id:	**S-9 (0.5-1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-004	Date Collected:	04.21.2020 13:09		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.30.2020 08:00	Basis:	Wet Weight
Seq Number:	3124694				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.30.2020 13:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.30.2020 13:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.30.2020 13:55	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.30.2020 13:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.30.2020 13:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.30.2020 13:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.30.2020 13:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	04.30.2020 13:55	
4-Bromofluorobenzene	460-00-4	106	%	70-130	04.30.2020 13:55	

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Salado 29 26 33

Sample Id:	**S-2 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-005	Date Collected:	04.21.2020 14:30		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 16:30	Basis:	Wet Weight
Seq Number:	3124106				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3650**	49.5	mg/kg	04.24.2020 11:50		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.23.2020 23:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.23.2020 23:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.23.2020 23:23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.23.2020 23:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	04.23.2020 23:23	
o-Terphenyl	84-15-1	101	%	70-130	04.23.2020 23:23	

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Sample Id:	**S-2 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-005	Date Collected:	04.21.2020 14:30		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.30.2020 08:00	Basis:	Wet Weight
Seq Number:	3124694				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	04.30.2020 14:16	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	04.30.2020 14:16	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	04.30.2020 14:16	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	04.30.2020 14:16	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	04.30.2020 14:16	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	04.30.2020 14:16	U	1
Total BTEX		<0.00198	0.00198	mg/kg	04.30.2020 14:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	04.30.2020 14:16	
1,4-Difluorobenzene	540-36-3	110	%	70-130	04.30.2020 14:16	

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Salado 29 26 33

Sample Id:	**S-2 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-006	Date Collected:	04.21.2020 14:37		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 16:30	Basis:	Wet Weight
Seq Number:	3124106				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**182**	4.95	mg/kg	04.24.2020 11:55		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.23.2020 23:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.23.2020 23:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.23.2020 23:43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.23.2020 23:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-130	04.23.2020 23:43	
o-Terphenyl	84-15-1	103	%	70-130	04.23.2020 23:43	

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Sample Id:	**S-2 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-006	Date Collected:	04.21.2020 14:37		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.30.2020 08:00	Basis:	Wet Weight
Seq Number:	3124694				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.30.2020 14:56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.30.2020 14:56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.30.2020 14:56	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	04.30.2020 14:56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.30.2020 14:56	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.30.2020 14:56	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.30.2020 14:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	04.30.2020 14:56	
4-Bromofluorobenzene	460-00-4	103	%	70-130	04.30.2020 14:56	

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Sample Id:	**S-2 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-007	Date Collected:	04.21.2020 14:40		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 16:30	Basis:	Wet Weight
Seq Number:	3124106				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**77.7**	5.00	mg/kg	04.24.2020 12:00		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.24.2020 00:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.24.2020 00:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.24.2020 00:05	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.24.2020 00:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	04.24.2020 00:05	
o-Terphenyl	84-15-1	107	%	70-130	04.24.2020 00:05	

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Sample Id:	**S-2 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-007	Date Collected:	04.21.2020 14:40		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.01.2020 10:00	Basis:	Wet Weight
Seq Number:	3124797				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.01.2020 11:41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.01.2020 11:41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.01.2020 11:41	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	05.01.2020 11:41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.01.2020 11:41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.01.2020 11:41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.01.2020 11:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	05.01.2020 11:41	
4-Bromofluorobenzene	460-00-4	95	%	70-130	05.01.2020 11:41	

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Salado 29 26 33

Sample Id:	**S-3 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-009	Date Collected:	04.22.2020 10:20		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**46.2**	5.05	mg/kg	04.24.2020 12:43		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.24.2020 00:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.24.2020 00:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.24.2020 00:47	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.24.2020 00:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	04.24.2020 00:47	
o-Terphenyl	84-15-1	103	%	70-130	04.24.2020 00:47	

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Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-3 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-009	Date Collected:	04.22.2020 10:20		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.01.2020 10:00	Basis:	Wet Weight
Seq Number:	3124797				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.01.2020 12:42	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.01.2020 12:42	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.01.2020 12:42	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.01.2020 12:42	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.01.2020 12:42	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.01.2020 12:42	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.01.2020 12:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	05.01.2020 12:42	
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.01.2020 12:42	

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Salado 29 26 33

Sample Id:	**S-3 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-010	Date Collected:	04.22.2020 10:21		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**39.7**	5.01	mg/kg	04.24.2020 12:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.24.2020 01:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.24.2020 01:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.24.2020 01:08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.24.2020 01:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	04.24.2020 01:08	
o-Terphenyl	84-15-1	105	%	70-130	04.24.2020 01:08	

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Salado 29 26 33

Sample Id:	**S-3 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-010	Date Collected:	04.22.2020 10:21		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.01.2020 10:00	Basis:	Wet Weight
Seq Number:	3124797				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.01.2020 13:02	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.01.2020 13:02	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.01.2020 13:02	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	05.01.2020 13:02	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.01.2020 13:02	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.01.2020 13:02	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.01.2020 13:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.01.2020 13:02	
4-Bromofluorobenzene	460-00-4	104	%	70-130	05.01.2020 13:02	

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Salado 29 26 33

Sample Id:	**S-3 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-011	Date Collected:	04.22.2020 11:07		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**74.6**	4.99	mg/kg	04.24.2020 13:04		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.24.2020 01:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.24.2020 01:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.24.2020 01:50	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.24.2020 01:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	04.24.2020 01:50	
o-Terphenyl	84-15-1	109	%	70-130	04.24.2020 01:50	

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Salado 29 26 33

Sample Id:	**S-3 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-011	Date Collected:	04.22.2020 11:07		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.01.2020 10:00	Basis:	Wet Weight
Seq Number:	3124797				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.01.2020 13:43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.01.2020 13:43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.01.2020 13:43	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	05.01.2020 13:43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.01.2020 13:43	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.01.2020 13:43	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.01.2020 13:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	05.01.2020 13:43	
1,4-Difluorobenzene	540-36-3	110	%	70-130	05.01.2020 13:43	

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Salado 29 26 33

Sample Id:	**S-4 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-013	Date Collected:	04.22.2020 11:42		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3520**	24.8	mg/kg	04.24.2020 13:09		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.24.2020 02:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	**600**	50.0	mg/kg	04.24.2020 02:11		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**61.3**	50.0	mg/kg	04.24.2020 02:11		1
Total TPH	PHC635	**661**	50.0	mg/kg	04.24.2020 02:11		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	04.24.2020 02:11	
o-Terphenyl	84-15-1	111	%	70-130	04.24.2020 02:11	

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Salado 29 26 33

Sample Id:	**S-4 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-013	Date Collected:	04.22.2020 11:42		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.01.2020 10:00	Basis:	Wet Weight
Seq Number:	3124797				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.01.2020 14:04	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.01.2020 14:04	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.01.2020 14:04	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.01.2020 14:04	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.01.2020 14:04	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.01.2020 14:04	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.01.2020 14:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	05.01.2020 14:04	
4-Bromofluorobenzene	460-00-4	108	%	70-130	05.01.2020 14:04	

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Salado 29 26 33

Sample Id:	**S-4 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-014	Date Collected:	04.22.2020 11:43		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1330**	24.8	mg/kg	04.24.2020 13:14		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.24.2020 02:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.24.2020 02:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.24.2020 02:32	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.24.2020 02:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	04.24.2020 02:32	
o-Terphenyl	84-15-1	105	%	70-130	04.24.2020 02:32	

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Salado 29 26 33

Sample Id:	**S-4 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-014	Date Collected:	04.22.2020 11:43		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.01.2020 10:00	Basis:	Wet Weight
Seq Number:	3124797				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.01.2020 14:24	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.01.2020 14:24	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.01.2020 14:24	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	05.01.2020 14:24	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.01.2020 14:24	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.01.2020 14:24	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.01.2020 14:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	05.01.2020 14:24	
1,4-Difluorobenzene	540-36-3	110	%	70-130	05.01.2020 14:24	

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Salado 29 26 33

Sample Id:	**S-4 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-015	Date Collected:	04.22.2020 11:48		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**74.8**	5.04	mg/kg	04.24.2020 13:30		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.24.2020 02:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.24.2020 02:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.24.2020 02:53	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.24.2020 02:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	04.24.2020 02:53	
o-Terphenyl	84-15-1	100	%	70-130	04.24.2020 02:53	

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Salado 29 26 33

Sample Id:	**S-4 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-015	Date Collected:	04.22.2020 11:48		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.01.2020 10:00	Basis:	Wet Weight
Seq Number:	3124797				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.01.2020 14:44	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.01.2020 14:44	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.01.2020 14:44	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.01.2020 14:44	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.01.2020 14:44	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.01.2020 14:44	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.01.2020 14:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	05.01.2020 14:44	
4-Bromofluorobenzene	460-00-4	109	%	70-130	05.01.2020 14:44	

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Salado 29 26 33

Sample Id:	**S-5 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-017	Date Collected:	04.22.2020 11:55		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1800**	25.0	mg/kg	04.24.2020 13:35		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.24.2020 03:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.24.2020 03:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.24.2020 03:14	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.24.2020 03:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-130	04.24.2020 03:14	
o-Terphenyl	84-15-1	106	%	70-130	04.24.2020 03:14	

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Salado 29 26 33

Sample Id:	**S-5 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-017	Date Collected:	04.22.2020 11:55		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.02.2020 10:00	Basis:	Wet Weight
Seq Number:	3124923				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	05.03.2020 12:01	UXF	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	05.03.2020 12:01	UXF	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	05.03.2020 12:01	UXF	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	05.03.2020 12:01	UFX	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	05.03.2020 12:01	UFX	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	05.03.2020 12:01	U	1
Total BTEX		<0.00202	0.00202	mg/kg	05.03.2020 12:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	05.03.2020 12:01	
1,4-Difluorobenzene	540-36-3	101	%	70-130	05.03.2020 12:01	

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Salado 29 26 33

Sample Id:	**S-5 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-018	Date Collected:	04.22.2020 11:56		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**66.8**	5.00	mg/kg	04.24.2020 13:41		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.24.2020 03:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.24.2020 03:35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.24.2020 03:35	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.24.2020 03:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	04.24.2020 03:35	
o-Terphenyl	84-15-1	104	%	70-130	04.24.2020 03:35	

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Salado 29 26 33

Sample Id:	**S-5 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-018	Date Collected:	04.22.2020 11:56		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.02.2020 10:00	Basis:	Wet Weight
Seq Number:	3124923				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.03.2020 12:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.03.2020 12:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.03.2020 12:21	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	05.03.2020 12:21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.03.2020 12:21	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.03.2020 12:21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.03.2020 12:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	05.03.2020 12:21	
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.03.2020 12:21	

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Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-5 (5'')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-019	Date Collected:	04.22.2020 12:01		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**63.9**	4.98	mg/kg	04.24.2020 13:46		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.24.2020 03:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.24.2020 03:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.24.2020 03:56	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.24.2020 03:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	04.24.2020 03:56	
o-Terphenyl	84-15-1	109	%	70-130	04.24.2020 03:56	

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Salado 29 26 33

Sample Id:	**S-5 (5'')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-019	Date Collected:	04.22.2020 12:01		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.02.2020 10:00	Basis:	Wet Weight
Seq Number:	3124923				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.03.2020 12:41	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.03.2020 12:41	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.03.2020 12:41	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	05.03.2020 12:41	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.03.2020 12:41	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.03.2020 12:41	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.03.2020 12:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	05.03.2020 12:41	
1,4-Difluorobenzene	540-36-3	113	%	70-130	05.03.2020 12:41	

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Salado 29 26 33

Sample Id:	**S-6 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-021	Date Collected:	04.22.2020 11:15		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4810**	49.6	mg/kg	04.24.2020 13:51		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.24.2020 04:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	**358**	49.9	mg/kg	04.24.2020 04:17		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.24.2020 04:17	U	1
Total TPH	PHC635	**358**	49.9	mg/kg	04.24.2020 04:17		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	04.24.2020 04:17	
o-Terphenyl	84-15-1	109	%	70-130	04.24.2020 04:17	

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Salado 29 26 33

Sample Id:	**S-6 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-021	Date Collected:	04.22.2020 11:15		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.30.2020 09:00	Basis:	Wet Weight
Seq Number:	3124691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	04.30.2020 14:00	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	04.30.2020 14:00	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	04.30.2020 14:00	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	04.30.2020 14:00	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	04.30.2020 14:00	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	04.30.2020 14:00	U	1
Total BTEX		<0.00198	0.00198	mg/kg	04.30.2020 14:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	04.30.2020 14:00	
4-Bromofluorobenzene	460-00-4	113	%	70-130	04.30.2020 14:00	

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Salado 29 26 33

Sample Id:	**S-6 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-022	Date Collected:	04.22.2020 11:16		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.6**	5.05	mg/kg	04.24.2020 13:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.24.2020 04:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.24.2020 04:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.24.2020 04:38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.24.2020 04:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-130	04.24.2020 04:38	
o-Terphenyl	84-15-1	111	%	70-130	04.24.2020 04:38	

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Salado 29 26 33

Sample Id:	**S-6 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-022	Date Collected:	04.22.2020 11:16		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.30.2020 09:00	Basis:	Wet Weight
Seq Number:	3124691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.30.2020 14:20	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.30.2020 14:20	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.30.2020 14:20	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.30.2020 14:20	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.30.2020 14:20	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.30.2020 14:20	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.30.2020 14:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	04.30.2020 14:20	
4-Bromofluorobenzene	460-00-4	106	%	70-130	04.30.2020 14:20	

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Salado 29 26 33

Sample Id:	**S-6 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-023	Date Collected:	04.22.2020 11:17		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.3**	4.99	mg/kg	04.24.2020 14:12		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 16:00	Basis:	Wet Weight
Seq Number:	3124020				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.24.2020 04:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.24.2020 04:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.24.2020 04:59	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.24.2020 04:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	04.24.2020 04:59	
o-Terphenyl	84-15-1	106	%	70-130	04.24.2020 04:59	

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Salado 29 26 33

Sample Id:	**S-6 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-023	Date Collected:	04.22.2020 11:17		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.30.2020 09:00	Basis:	Wet Weight
Seq Number:	3124691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.30.2020 14:41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.30.2020 14:41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.30.2020 14:41	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	04.30.2020 14:41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.30.2020 14:41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.30.2020 14:41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.30.2020 14:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	04.30.2020 14:41	
1,4-Difluorobenzene	540-36-3	109	%	70-130	04.30.2020 14:41	

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Salado 29 26 33

Sample Id:	**S-7 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-025	Date Collected:	04.22.2020 11:20		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3500**	24.9	mg/kg	04.24.2020 14:17		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.24.2020 11:00	Basis:	Wet Weight
Seq Number:	3124178				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.24.2020 16:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	**567**	50.0	mg/kg	04.24.2020 16:30		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**75.9**	50.0	mg/kg	04.24.2020 16:30		1
Total TPH	PHC635	**643**	50.0	mg/kg	04.24.2020 16:30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	04.24.2020 16:30	
o-Terphenyl	84-15-1	110	%	70-130	04.24.2020 16:30	

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Salado 29 26 33

Sample Id:	**S-7 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-025	Date Collected:	04.22.2020 11:20		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.02.2020 10:00	Basis:	Wet Weight
Seq Number:	3124923				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.03.2020 13:02	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.03.2020 13:02	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.03.2020 13:02	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	05.03.2020 13:02	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.03.2020 13:02	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.03.2020 13:02	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.03.2020 13:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	129	%	70-130	05.03.2020 13:02	
1,4-Difluorobenzene	540-36-3	100	%	70-130	05.03.2020 13:02	

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Salado 29 26 33

Sample Id:	**S-7 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-026	Date Collected:	04.22.2020 11:21		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1650**	25.2	mg/kg	04.24.2020 14:33		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.24.2020 11:00	Basis:	Wet Weight
Seq Number:	3124178				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.24.2020 16:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.24.2020 16:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.24.2020 16:52	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.24.2020 16:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	04.24.2020 16:52	
o-Terphenyl	84-15-1	105	%	70-130	04.24.2020 16:52	

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Salado 29 26 33

Sample Id:	**S-7 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-026	Date Collected:	04.22.2020 11:21		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.02.2020 10:00	Basis:	Wet Weight
Seq Number:	3124923				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.03.2020 13:22	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.03.2020 13:22	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.03.2020 13:22	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.03.2020 13:22	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.03.2020 13:22	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.03.2020 13:22	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.03.2020 13:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	05.03.2020 13:22	
1,4-Difluorobenzene	540-36-3	116	%	70-130	05.03.2020 13:22	

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Salado 29 26 33

Sample Id:	**S-7 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-027	Date Collected:	04.22.2020 11:28		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**28.5**	5.02	mg/kg	04.24.2020 14:39		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.24.2020 11:00	Basis:	Wet Weight
Seq Number:	3124178				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.24.2020 17:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.24.2020 17:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.24.2020 17:34	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.24.2020 17:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	04.24.2020 17:34	
o-Terphenyl	84-15-1	103	%	70-130	04.24.2020 17:34	

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Salado 29 26 33

Sample Id:	**S-7 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-027	Date Collected:	04.22.2020 11:28		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.02.2020 10:00	Basis:	Wet Weight
Seq Number:	3124923				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.03.2020 13:42	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.03.2020 13:42	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.03.2020 13:42	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.03.2020 13:42	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.03.2020 13:42	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.03.2020 13:42	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.03.2020 13:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	05.03.2020 13:42	
1,4-Difluorobenzene	540-36-3	108	%	70-130	05.03.2020 13:42	

Certificate of Analytical Results 659619

Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-8 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-029	Date Collected:	04.22.2020 12:10		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2400**	25.0	mg/kg	04.24.2020 14:44		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.24.2020 11:00	Basis:	Wet Weight
Seq Number:	3124178				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.24.2020 17:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.24.2020 17:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.24.2020 17:55	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.24.2020 17:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-130	04.24.2020 17:55	
o-Terphenyl	84-15-1	131	%	70-130	04.24.2020 17:55	**

Certificate of Analytical Results 659619

Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-8 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-029	Date Collected:	04.22.2020 12:10		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.04.2020 17:00	Basis:	Wet Weight
Seq Number:	3124954				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.04.2020 18:51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.04.2020 18:51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.04.2020 18:51	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	05.04.2020 18:51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.04.2020 18:51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.04.2020 18:51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.04.2020 18:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	05.04.2020 18:51	
1,4-Difluorobenzene	540-36-3	115	%	70-130	05.04.2020 18:51	

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Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-8 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-030	Date Collected:	04.22.2020 12:11		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3730**	24.8	mg/kg	04.24.2020 14:49		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.24.2020 11:00	Basis:	Wet Weight
Seq Number:	3124178				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**99.4**	49.8	mg/kg	04.24.2020 18:17		1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.24.2020 18:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.24.2020 18:17	U	1
Total TPH	PHC635	**99.4**	49.8	mg/kg	04.24.2020 18:17		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	04.24.2020 18:17	
o-Terphenyl	84-15-1	95	%	70-130	04.24.2020 18:17	

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Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-8 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-030	Date Collected:	04.22.2020 12:11		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.02.2020 08:00	Basis:	Wet Weight
Seq Number:	3124919				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.03.2020 12:10	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.03.2020 12:10	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.03.2020 12:10	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	05.03.2020 12:10	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.03.2020 12:10	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.03.2020 12:10	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.03.2020 12:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	05.03.2020 12:10	
4-Bromofluorobenzene	460-00-4	100	%	70-130	05.03.2020 12:10	

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Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-8 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-031	Date Collected:	04.22.2020 12:16		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.3**	5.03	mg/kg	04.24.2020 14:54		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 10:30	Basis:	Wet Weight
Seq Number:	3124019				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.23.2020 18:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.23.2020 18:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.23.2020 18:26	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.23.2020 18:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	04.23.2020 18:26	
o-Terphenyl	84-15-1	96	%	70-130	04.23.2020 18:26	

Certificate of Analytical Results 659619

Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-8 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-031	Date Collected:	04.22.2020 12:16		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.02.2020 08:00	Basis:	Wet Weight
Seq Number:	3124919				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.03.2020 12:30	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.03.2020 12:30	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.03.2020 12:30	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	05.03.2020 12:30	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.03.2020 12:30	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.03.2020 12:30	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.03.2020 12:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	05.03.2020 12:30	
4-Bromofluorobenzene	460-00-4	104	%	70-130	05.03.2020 12:30	

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Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-11 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-033	Date Collected:	04.22.2020 10:05		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1800**	25.0	mg/kg	04.24.2020 15:00		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 10:30	Basis:	Wet Weight
Seq Number:	3124019				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**117**	50.0	mg/kg	04.23.2020 18:47		1
Diesel Range Organics (DRO)	C10C28DRO	**3730**	50.0	mg/kg	04.23.2020 18:47		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**464**	50.0	mg/kg	04.23.2020 18:47		1
Total TPH	PHC635	**4310**	50.0	mg/kg	04.23.2020 18:47		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	04.23.2020 18:47	
o-Terphenyl	84-15-1	97	%	70-130	04.23.2020 18:47	

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Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-11 (1')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-033	Date Collected:	04.22.2020 10:05		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.04.2020 17:00	Basis:	Wet Weight
Seq Number:	3124954				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0342**	0.0199	mg/kg	05.04.2020 20:13		10
Toluene	108-88-3	**0.0209**	0.0199	mg/kg	05.04.2020 20:13		10
Ethylbenzene	100-41-4	**0.397**	0.0199	mg/kg	05.04.2020 20:13		10
m,p-Xylenes	179601-23-1	<0.0398	0.0398	mg/kg	05.04.2020 20:13	U	10
o-Xylene	95-47-6	**0.125**	0.0199	mg/kg	05.04.2020 20:13		10
Total Xylenes	1330-20-7	**0.125**	0.0199	mg/kg	05.04.2020 20:13		10
Total BTEX		**0.577**	0.0199	mg/kg	05.04.2020 20:13		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	05.04.2020 20:13	
4-Bromofluorobenzene	460-00-4	102	%	70-130	05.04.2020 20:13	

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Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-11 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-034	Date Collected:	04.22.2020 10:06		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:00	Basis:	Wet Weight
Seq Number:	3124110				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**75.2**	4.98	mg/kg	04.24.2020 15:05		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 10:30	Basis:	Wet Weight
Seq Number:	3124019				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.23.2020 19:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.23.2020 19:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.23.2020 19:09	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.23.2020 19:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	04.23.2020 19:09	
o-Terphenyl	84-15-1	97	%	70-130	04.23.2020 19:09	

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Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-11 (3')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-034	Date Collected:	04.22.2020 10:06		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.30.2020 09:00	Basis:	Wet Weight
Seq Number:	3124691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	04.30.2020 11:37	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	04.30.2020 11:37	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	04.30.2020 11:37	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	04.30.2020 11:37	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	04.30.2020 11:37	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	04.30.2020 11:37	U	1
Total BTEX		<0.00198	0.00198	mg/kg	04.30.2020 11:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	04.30.2020 11:37	
1,4-Difluorobenzene	540-36-3	108	%	70-130	04.30.2020 11:37	

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Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-11 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-035	Date Collected:	04.22.2020 10:10		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	CHE	Date Prep:	04.23.2020 17:15	Basis:	Wet Weight
Seq Number:	3124214				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.6**	4.96	mg/kg	04.24.2020 16:09	X	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.23.2020 10:30	Basis:	Wet Weight
Seq Number:	3124019				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.23.2020 19:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.23.2020 19:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.23.2020 19:30	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.23.2020 19:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	04.23.2020 19:30	
o-Terphenyl	84-15-1	96	%	70-130	04.23.2020 19:30	

Certificate of Analytical Results 659619

Larson and Associates, Inc., Midland, TX

Salado 29 26 33

Sample Id:	**S-11 (5')**	Matrix:	Soil	Date Received:	04.23.2020 10:20
Lab Sample Id:	659619-035	Date Collected:	04.22.2020 10:10		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.02.2020 08:00	Basis:	Wet Weight
Seq Number:	3124919				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.03.2020 11:49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.03.2020 11:49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.03.2020 11:49	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	05.03.2020 11:49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.03.2020 11:49	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.03.2020 11:49	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.03.2020 11:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	05.03.2020 11:49	
1,4-Difluorobenzene	540-36-3	109	%	70-130	05.03.2020 11:49	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 659619

Larson and Associates, Inc.

Salado 29 26 33

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3124106 — Matrix: Solid — Date Prep: 04.23.2020
MB Sample Id: 7701947-1-BLK — LCS Sample Id: 7701947-1-BKS — LCSD Sample Id: 7701947-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	249	100	242	97	90-110	3	20	mg/kg	04.24.2020 09:28	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3124110 — Matrix: Solid — Date Prep: 04.23.2020
MB Sample Id: 7701948-1-BLK — LCS Sample Id: 7701948-1-BKS — LCSD Sample Id: 7701948-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	243	97	247	99	90-110	2	20	mg/kg	04.24.2020 12:32	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3124214 — Matrix: Solid — Date Prep: 04.23.2020
MB Sample Id: 7701949-1-BLK — LCS Sample Id: 7701949-1-BKS — LCSD Sample Id: 7701949-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	246	98	249	100	90-110	1	20	mg/kg	04.24.2020 15:58	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3124106 — Matrix: Soil — Date Prep: 04.23.2020
Parent Sample Id: 659561-003 — MS Sample Id: 659561-003 S — MSD Sample Id: 659561-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	234	250	480	98	479	98	90-110	0	20	mg/kg	04.24.2020 10:57	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3124106 — Matrix: Soil — Date Prep: 04.23.2020
Parent Sample Id: 659608-006 — MS Sample Id: 659608-006 S — MSD Sample Id: 659608-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	27.2	250	263	94	268	96	90-110	2	20	mg/kg	04.24.2020 09:43	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3124110 — Matrix: Soil — Date Prep: 04.23.2020
Parent Sample Id: 659619-009 — MS Sample Id: 659619-009 S — MSD Sample Id: 659619-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	46.2	253	303	102	295	98	90-110	3	20	mg/kg	04.24.2020 12:48	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3124110 — Matrix: Soil — Date Prep: 04.23.2020
Parent Sample Id: 659619-022 — MS Sample Id: 659619-022 S — MSD Sample Id: 659619-022 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	35.6	253	283	98	293	102	90-110	3	20	mg/kg	04.24.2020 14:02	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3124214 — Matrix: Soil — Date Prep: 04.23.2020
Parent Sample Id: 659619-035 — MS Sample Id: 659619-035 S — MSD Sample Id: 659619-035 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	11.6	248	310	120	307	119	90-110	1	20	mg/kg	04.24.2020 16:14	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3124214 — Matrix: Soil — Date Prep: 04.23.2020
Parent Sample Id: 659639-015 — MS Sample Id: 659639-015 S — MSD Sample Id: 659639-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	292	250	538	98	546	102	90-110	1	20	mg/kg	04.24.2020 17:28	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3124019 — Matrix: Solid — Date Prep: 04.23.2020
MB Sample Id: 7701918-1-BLK — LCS Sample Id: 7701918-1-BKS — LCSD Sample Id: 7701918-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	930	93	869	87	70-130	7	20	mg/kg	04.23.2020 11:02	
Diesel Range Organics (DRO)	<50.0	1000	1030	103	972	97	70-130	6	20	mg/kg	04.23.2020 11:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		100		92		70-130	%	04.23.2020 11:02
o-Terphenyl	100		105		99		70-130	%	04.23.2020 11:02

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3124020 — Matrix: Solid — Date Prep: 04.23.2020
MB Sample Id: 7701926-1-BLK — LCS Sample Id: 7701926-1-BKS — LCSD Sample Id: 7701926-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1080	108	1100	110	70-130	2	20	mg/kg	04.23.2020 20:34	
Diesel Range Organics (DRO)	<50.0	1000	1170	117	1160	116	70-130	1	20	mg/kg	04.23.2020 20:34	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	104		117		117		70-130	%	04.23.2020 20:34
o-Terphenyl	109		117		114		70-130	%	04.23.2020 20:34

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3124178 — Matrix: Solid — Date Prep: 04.24.2020
MB Sample Id: 7702047-1-BLK — LCS Sample Id: 7702047-1-BKS — LCSD Sample Id: 7702047-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1030	103	922	92	70-130	11	20	mg/kg	04.24.2020 12:16	
Diesel Range Organics (DRO)	<50.0	1000	1130	113	1020	102	70-130	10	20	mg/kg	04.24.2020 12:16	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		112		100		70-130	%	04.24.2020 12:16
o-Terphenyl	105		119		107		70-130	%	04.24.2020 12:16

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3124019 — Matrix: Solid — Date Prep: 04.23.2020
MB Sample Id: 7701918-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	04.23.2020 10:41	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3124020 — Matrix: Solid — Date Prep: 04.23.2020
MB Sample Id: 7701926-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	04.23.2020 20:13	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3124178 — Matrix: Solid — Date Prep: 04.24.2020
MB Sample Id: 7702047-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	04.24.2020 11:55	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3124019 — Matrix: Soil — Date Prep: 04.23.2020
Parent Sample Id: 659506-001 — MS Sample Id: 659506-001 S — MSD Sample Id: 659506-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	839	84	847	85	70-130	1	20	mg/kg	04.23.2020 12:06	
Diesel Range Organics (DRO)	<49.9	997	975	98	995	100	70-130	2	20	mg/kg	04.23.2020 12:06	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	83		83		70-130	%	04.23.2020 12:06
o-Terphenyl	88		92		70-130	%	04.23.2020 12:06

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3124020 | Matrix: Soil | Date Prep: 04.23.2020
Parent Sample Id: 659619-001 | MS Sample Id: 659619-001 S | MSD Sample Id: 659619-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1020	102	1080	108	70-130	6	20	mg/kg	04.23.2020 21:38	
Diesel Range Organics (DRO)	<49.9	997	1100	110	1220	122	70-130	10	20	mg/kg	04.23.2020 21:38	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		110		70-130	%	04.23.2020 21:38
o-Terphenyl	100		105		70-130	%	04.23.2020 21:38

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3124178 | Matrix: Soil | Date Prep: 04.24.2020
Parent Sample Id: 659639-021 | MS Sample Id: 659639-021 S | MSD Sample Id: 659639-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1010	101	1030	103	70-130	2	20	mg/kg	04.24.2020 13:19	
Diesel Range Organics (DRO)	20.4	997	1100	108	1110	109	70-130	1	20	mg/kg	04.24.2020 13:19	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	99		99		70-130	%	04.24.2020 13:19
o-Terphenyl	104		106		70-130	%	04.24.2020 13:19

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5035A
Seq Number: 3124694 | Matrix: Solid | Date Prep: 04.30.2020
MB Sample Id: 7702436-1-BLK | LCS Sample Id: 7702436-1-BKS | LCSD Sample Id: 7702436-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0881	88	0.0864	86	70-130	2	35	mg/kg	04.30.2020 10:37	
Toluene	<0.00200	0.100	0.0999	100	0.0977	98	70-130	2	35	mg/kg	04.30.2020 10:37	
Ethylbenzene	<0.00200	0.100	0.112	112	0.106	106	70-130	6	35	mg/kg	04.30.2020 10:37	
m,p-Xylenes	<0.00400	0.200	0.230	115	0.218	109	70-130	5	35	mg/kg	04.30.2020 10:37	
o-Xylene	<0.00200	0.100	0.113	113	0.107	107	70-130	5	35	mg/kg	04.30.2020 10:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	86		115		110		70-130	%	04.30.2020 10:37
4-Bromofluorobenzene	61	**	107		116		70-130	%	04.30.2020 10:37

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 659619

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Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3124691 — Matrix: Solid — Date Prep: 04.30.2020
MB Sample Id: 7702432-1-BLK — LCS Sample Id: 7702432-1-BKS — LCSD Sample Id: 7702432-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0905	91	0.0982	98	70-130	8	35	mg/kg	04.30.2020 09:12	
Toluene	<0.00200	0.100	0.0858	86	0.0950	95	70-130	10	35	mg/kg	04.30.2020 09:12	
Ethylbenzene	<0.00200	0.100	0.0857	86	0.0965	97	70-130	12	35	mg/kg	04.30.2020 09:12	
m,p-Xylenes	<0.00400	0.200	0.163	82	0.186	93	70-130	13	35	mg/kg	04.30.2020 09:12	
o-Xylene	<0.00200	0.100	0.0835	84	0.0947	95	70-130	13	35	mg/kg	04.30.2020 09:12	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		101		101		70-130	%	04.30.2020 09:12
4-Bromofluorobenzene	92		93		100		70-130	%	04.30.2020 09:12

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3124797 — Matrix: Solid — Date Prep: 05.01.2020
MB Sample Id: 7702507-1-BLK — LCS Sample Id: 7702507-1-BKS — LCSD Sample Id: 7702507-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0845	85	0.0869	87	70-130	3	35	mg/kg	05.01.2020 09:20	
Toluene	<0.00200	0.100	0.0853	85	0.0882	88	70-130	3	35	mg/kg	05.01.2020 09:20	
Ethylbenzene	<0.00200	0.100	0.0890	89	0.0920	92	70-130	3	35	mg/kg	05.01.2020 09:20	
m,p-Xylenes	<0.00400	0.200	0.173	87	0.178	89	70-130	3	35	mg/kg	05.01.2020 09:20	
o-Xylene	<0.00200	0.100	0.0884	88	0.0915	92	70-130	3	35	mg/kg	05.01.2020 09:20	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		97		98		70-130	%	05.01.2020 09:20
4-Bromofluorobenzene	89		100		103		70-130	%	05.01.2020 09:20

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3124919 — Matrix: Solid — Date Prep: 05.02.2020
MB Sample Id: 7702601-1-BLK — LCS Sample Id: 7702601-1-BKS — LCSD Sample Id: 7702601-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.114	114	0.110	110	70-130	4	35	mg/kg	05.03.2020 09:27	
Toluene	<0.00200	0.100	0.109	109	0.106	106	70-130	3	35	mg/kg	05.03.2020 09:27	
Ethylbenzene	<0.00200	0.100	0.109	109	0.107	107	70-130	2	35	mg/kg	05.03.2020 09:27	
m,p-Xylenes	<0.00400	0.200	0.211	106	0.207	104	70-130	2	35	mg/kg	05.03.2020 09:27	
o-Xylene	<0.00200	0.100	0.107	107	0.104	104	70-130	3	35	mg/kg	05.03.2020 09:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		99		100		70-130	%	05.03.2020 09:27
4-Bromofluorobenzene	89		103		103		70-130	%	05.03.2020 09:27

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3124923 — Matrix: Solid — Date Prep: 05.02.2020
MB Sample Id: 7702614-1-BLK — LCS Sample Id: 7702614-1-BKS — LCSD Sample Id: 7702614-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.112	112	0.101	101	70-130	10	35	mg/kg	05.02.2020 22:23	
Toluene	<0.00200	0.100	0.110	110	0.105	105	70-130	5	35	mg/kg	05.02.2020 22:23	
Ethylbenzene	<0.00200	0.100	0.111	111	0.109	109	70-130	2	35	mg/kg	05.02.2020 22:23	
m,p-Xylenes	<0.00400	0.200	0.226	113	0.224	112	70-130	1	35	mg/kg	05.02.2020 22:23	
o-Xylene	<0.00200	0.100	0.112	112	0.111	111	70-130	1	35	mg/kg	05.02.2020 22:23	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	87		112		113		70-130	%	05.02.2020 22:23
4-Bromofluorobenzene	66	**	125		134	**	70-130	%	05.02.2020 22:23

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3124954 — Matrix: Solid — Date Prep: 05.04.2020
MB Sample Id: 7702653-1-BLK — LCS Sample Id: 7702653-1-BKS — LCSD Sample Id: 7702653-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.106	106	0.110	110	70-130	4	35	mg/kg	05.04.2020 10:36	
Toluene	<0.00200	0.100	0.0988	99	0.0991	99	70-130	0	35	mg/kg	05.04.2020 10:36	
Ethylbenzene	<0.00200	0.100	0.0981	98	0.0982	98	70-130	0	35	mg/kg	05.04.2020 10:36	
m,p-Xylenes	<0.00400	0.200	0.190	95	0.189	95	70-130	1	35	mg/kg	05.04.2020 10:36	
o-Xylene	<0.00200	0.100	0.0969	97	0.0964	96	70-130	1	35	mg/kg	05.04.2020 10:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		101		103		70-130	%	05.04.2020 10:36
4-Bromofluorobenzene	88		101		99		70-130	%	05.04.2020 10:36

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3124694 — Matrix: Soil — Date Prep: 04.30.2020
Parent Sample Id: 659619-004 — MS Sample Id: 659619-004 S — MSD Sample Id: 659619-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0774	78	0.0942	95	70-130	20	35	mg/kg	04.30.2020 11:17	
Toluene	<0.00200	0.0998	0.0843	84	0.101	102	70-130	18	35	mg/kg	04.30.2020 11:17	
Ethylbenzene	<0.00200	0.0998	0.0857	86	0.103	104	70-130	18	35	mg/kg	04.30.2020 11:17	
m,p-Xylenes	<0.00399	0.200	0.174	87	0.210	106	70-130	19	35	mg/kg	04.30.2020 11:17	
o-Xylene	<0.00200	0.0998	0.0864	87	0.103	104	70-130	18	35	mg/kg	04.30.2020 11:17	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		116		70-130	%	04.30.2020 11:17
4-Bromofluorobenzene	119		119		70-130	%	04.30.2020 11:17

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

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Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3124691 Matrix: Soil Date Prep: 04.30.2020
Parent Sample Id: 659619-034 MS Sample Id: 659619-034 S MSD Sample Id: 659619-034 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0936	95	0.107	108	70-130	13	35	mg/kg	04.30.2020 09:53	
Toluene	<0.00198	0.0990	0.0849	86	0.101	102	70-130	17	35	mg/kg	04.30.2020 09:53	
Ethylbenzene	<0.00198	0.0990	0.0820	83	0.0995	100	70-130	19	35	mg/kg	04.30.2020 09:53	
m,p-Xylenes	<0.00396	0.198	0.156	79	0.192	96	70-130	21	35	mg/kg	04.30.2020 09:53	
o-Xylene	<0.00198	0.0990	0.0816	82	0.0976	98	70-130	18	35	mg/kg	04.30.2020 09:53	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		102		70-130	%	04.30.2020 09:53
4-Bromofluorobenzene	100		106		70-130	%	04.30.2020 09:53

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3124797 Matrix: Soil Date Prep: 05.01.2020
Parent Sample Id: 659619-007 MS Sample Id: 659619-007 S MSD Sample Id: 659619-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0888	89	0.0788	78	70-130	12	35	mg/kg	05.01.2020 10:00	
Toluene	<0.00200	0.0998	0.0841	84	0.0794	79	70-130	6	35	mg/kg	05.01.2020 10:00	
Ethylbenzene	<0.00200	0.0998	0.0858	86	0.0821	81	70-130	4	35	mg/kg	05.01.2020 10:00	
m,p-Xylenes	<0.00399	0.200	0.165	83	0.160	79	70-130	3	35	mg/kg	05.01.2020 10:00	
o-Xylene	<0.00200	0.0998	0.0844	85	0.0826	82	70-130	2	35	mg/kg	05.01.2020 10:00	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		99		70-130	%	05.01.2020 10:00
4-Bromofluorobenzene	102		104		70-130	%	05.01.2020 10:00

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3124919 Matrix: Soil Date Prep: 05.02.2020
Parent Sample Id: 659619-035 MS Sample Id: 659619-035 S MSD Sample Id: 659619-035 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0895	90	0.0938	94	70-130	5	35	mg/kg	05.03.2020 10:08	
Toluene	<0.00198	0.0990	0.0816	82	0.0798	80	70-130	2	35	mg/kg	05.03.2020 10:08	
Ethylbenzene	<0.00198	0.0990	0.0788	80	0.0736	74	70-130	7	35	mg/kg	05.03.2020 10:08	
m,p-Xylenes	<0.00396	0.198	0.153	77	0.142	71	70-130	7	35	mg/kg	05.03.2020 10:08	
o-Xylene	<0.00198	0.0990	0.0759	77	0.0716	72	70-130	6	35	mg/kg	05.03.2020 10:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		103		70-130	%	05.03.2020 10:08
4-Bromofluorobenzene	101		99		70-130	%	05.03.2020 10:08

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 659619

Larson and Associates, Inc.

Salado 29 26 33

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3124923 Matrix: Soil Date Prep: 05.02.2020
Parent Sample Id: 659619-017 MS Sample Id: 659619-017 S MSD Sample Id: 659619-017 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.00489	5	0.0696	70	70-130	174	35	mg/kg	05.03.2020 10:22	XF
Toluene	<0.00198	0.0992	0.00670	7	0.0758	76	70-130	168	35	mg/kg	05.03.2020 10:22	XF
Ethylbenzene	<0.00198	0.0992	0.00445	4	0.0755	76	70-130	178	35	mg/kg	05.03.2020 10:22	XF
m,p-Xylenes	<0.00397	0.198	0.0133	7	0.151	76	70-130	168	35	mg/kg	05.03.2020 10:22	XF
o-Xylene	<0.00198	0.0992	0.00832	8	0.0732	73	70-130	159	35	mg/kg	05.03.2020 10:22	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	113		120		70-130	%	05.03.2020 10:22
4-Bromofluorobenzene	155	**	136	**	70-130	%	05.03.2020 10:22

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3124954 Matrix: Soil Date Prep: 05.04.2020
Parent Sample Id: 659785-121 MS Sample Id: 659785-121 S MSD Sample Id: 659785-121 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.102	102	0.110	110	70-130	8	35	mg/kg	05.04.2020 11:17	
Toluene	<0.00200	0.100	0.0918	92	0.101	101	70-130	10	35	mg/kg	05.04.2020 11:17	
Ethylbenzene	<0.00200	0.100	0.0900	90	0.100	100	70-130	11	35	mg/kg	05.04.2020 11:17	
m,p-Xylenes	<0.00400	0.200	0.174	87	0.194	97	70-130	11	35	mg/kg	05.04.2020 11:17	
o-Xylene	<0.00200	0.100	0.0877	88	0.0973	97	70-130	10	35	mg/kg	05.04.2020 11:17	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		104		70-130	%	05.04.2020 11:17
4-Bromofluorobenzene	98		104		70-130	%	05.04.2020 11:17

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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№ 1140

U591619

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 4/23/2020 PAGE 1 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Salado 29 26 33

LAI PROJECT #: 20-0107-08 COLLECTOR: EC / DS

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015	DIESEL - MOD 8015	OIL - MOD 8015	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TBLP - 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 (0-0.5')		4/21/20	1236	S	1				X		X			X	X	X													X	
S-10 (0.5-1')			1240								X			X	X	X													X	
S-9 (0-0.5')			1305								X			X	X	X													X	
S-9 (0.5-1')			1309								X			X	X	X													X	
S-2 (1')			1430								X			X	X	X													X	
S-2 (3')			1437								X			X	X	X													X	
S-2 (5')			1440								X			X	X	X													X	
S-2 (10')			1448								Hold until further instruction																			
S-3 (1')		4/22/20	1020								X			X	X	X													X	
S-3 (3')			1021								X			X	X	X													X	
S-3 (5')			1107								X			X	X	X													X	
S-3 (10')			1106								Hold until further instruction																			
S-4 (1')			1142								X			X	X	X													X	
S-4 (3')			1143								X			X	X	X													X	
S-4 (5')			1148								X			X	X	X													X	

TOTAL 15

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY:(Signature)
Rachel Owen	4/23/2020	
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP: 1.9 / 1.6 THERM#: 89
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Received by OCD: 10/31/2023 7:32:27 AM
Released to Imaging: 11/14/2023 1:08:55 PM
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Nº 1141

L594619

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 4/23/2020 PAGE 2 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Salado 29 26 33

LAI PROJECT #: 20-0107-08 COLLECTOR: EC/DS

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

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	FIELD NOTES
S-4 (10')		4/22/20	11:47	S	1				X		Hold until further instruction	
S-5 (1')			1155								X X X X	
S-5 (3')			1156									
S-5 (5')			1201									
S-5 (10')			1200								Hold until further instruction	
S-6 (1')			1115								X X X X	
S-6 (3')			1116									
S-6 (5')			1117									
S-6 (10')			1118								Hold until further instruction	
S-7 (1')			1120								X X X X	
S-7 (3')			1121									
S-7 (5')			1128									
S-7 (10')			1129								Hold until further instruction	
S-8 (1')			1210								X X X X	
S-8 (3')			1211								X X X X	
TOTAL					15							

ANALYSES: BTEX ☒ MTBE ☐ | TPH 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 ☐ | TBLP - 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 ☐

RELINQUISHED BY:(Signature) Rachel Owen DATE/TIME 4/23 1620 RECEIVED BY: (Signature)

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

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

LABORATORY: Xenco

TURN AROUND TIME
NORMAL ☒ 5days
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 1.9/1.6 THERM#: 89
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Received by OCD: 10/31/2023 7:32:27 AM
Released to Imaging: 11/14/2023 1:08:55 PM
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№1142

VES9019

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 4/23/2020 PAGE 3 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Salado 29 26 33

LAI PROJECT #: 20-0107-08 COLLECTOR: EC/DS

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP VOC ☐	TBLP - METALS (RCRA) ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D.W. 200.8 ☐	RCI ☐	TOX ☐	TCLP ☐	TDS ☐	TSS ☐	FLASHPOINT ☐	% MOISTURE ☐	pH ☐	CYANIDE ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
S-8 (5')		4/22/20	1216	S	1				X		X		X	X	X																										X			
S-8 (10')			1215								Hold until further instruction																																				
S-11 (1')			1005								X		X	X	X																										X			
S-11 (3')			1006								↓		↓	↓	↓																										↓			
S-11 (5')			1010																																									
S-11 (10')			1011								Hold until further instruction																																				

TOTAL 6

RELINQUISHED BY:(Signature) Rachel Owen DATE/TIME 4/23/20 1020 RECEIVED BY: (Signature) Bill

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

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

LABORATORY: Xenco

TURN AROUND TIME
NORMAL ☒ 5 days
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 1.9/1.6 THERM#: 29
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Received by OCD: 10/31/2023 7:32:27 AM
Released to Imaging: 11/4/2023 1:08:55 PM
Final 1.000
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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Date/ Time Received: 04.23.2020 10.20.00 AM

Work Order #: 659619

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	BTEX was in bulk container
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**N/A**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 04.23.2020
Brianna Teel

Checklist reviewed by: Holly Taylor Date: 04.23.2020
Holly Taylor

Certificate of Analysis Summary 663026

Larson and Associates, Inc., Midland, TX

Project Name: Salado 29-26-33

Project Id: 20-0107-08
Contact: Mark Larson
Project Location:

Date Received in Lab: Mon 06.01.2020 08:06
Report Date: 06.08.2020 08:36
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	663026-001				663026-002							
	Field Id:	S-12 (0.5)				S-12 (1')							
	Depth:												
	Matrix:	SOIL				SOIL							
	Sampled:	05.29.2020 10:30				05.29.2020 10:35							
BTEX by EPA 8021B	***Extracted:***	06.02.2020 08:00				06.02.2020 08:00							
	Analyzed:	06.02.2020 15:45				06.02.2020 16:06							
	Units/RL:	mg/kg	RL			mg/kg	RL						
Benzene		<0.00199	0.00199			<0.00201	0.00201						
Toluene		<0.00199	0.00199			<0.00201	0.00201						
Ethylbenzene		<0.00199	0.00199			<0.00201	0.00201						
m,p-Xylenes		<0.00398	0.00398			<0.00402	0.00402						
o-Xylene		<0.00199	0.00199			<0.00201	0.00201						
Total Xylenes		<0.00199	0.00199			<0.00201	0.00201						
Total BTEX		<0.00199	0.00199			<0.00201	0.00201						
Chloride by EPA 300	***Extracted:***	06.01.2020 16:50				06.01.2020 16:50							
	Analyzed:	06.01.2020 20:17				06.01.2020 20:27							
	Units/RL:	mg/kg	RL			mg/kg	RL						
Chloride		10.9	5.01			9.90	5.00						
TPH by SW8015 Mod	***Extracted:***	06.03.2020 16:30				06.03.2020 16:30							
	Analyzed:	06.05.2020 07:23				06.04.2020 16:12							
	Units/RL:	mg/kg	RL			mg/kg	RL						
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0			<49.8	49.8						
Diesel Range Organics (DRO)		<50.0	50.0			<49.8	49.8						
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0			<49.8	49.8						
Total TPH		<50.0	50.0			<49.8	49.8						

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Final 1.000

Analytical Report 663026

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Salado 29-26-33

20-0107-08

06.08.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-32), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-23), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

06.08.2020

Project Manager: **Mark Larson**
Larson and Associates, Inc.
P. O. Box 50685
Midland, TX 79710

Reference: XENCO Report No(s): **663026**
Salado 29-26-33
Project Address:

Mark Larson :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 663026. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 663026 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor

Holly Taylor
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 663026

Larson and Associates, Inc., Midland, TX

Salado 29-26-33

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-12 (0.5)	S	05.29.2020 10:30		663026-001
S-12 (1')	S	05.29.2020 10:35		663026-002

CASE NARRATIVE

Client Name: Larson and Associates, Inc.

Project Name: Salado 29-26-33

Project ID:	*20-0107-08*	Report Date:	*06.08.2020*
Work Order Number(s):	*663026*	Date Received:	*06.01.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 663026

Larson and Associates, Inc., Midland, TX

Salado 29-26-33

Sample Id: **S-12 (0.5)** Matrix: Soil Date Received:06.01.2020 08:06

Lab Sample Id: 663026-001 Date Collected: 05.29.2020 10:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.9**	5.01	mg/kg	06.01.2020 20:17		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.03.2020 16:30 Basis: Wet Weight

Seq Number: 3128011

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	06.05.2020 07:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	06.05.2020 07:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	06.05.2020 07:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	06.05.2020 07:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-130	06.05.2020 07:23	
o-Terphenyl	84-15-1	108	%	70-130	06.05.2020 07:23	

Certificate of Analytical Results 663026

Larson and Associates, Inc., Midland, TX

Salado 29-26-33

Sample Id:	**S-12 (0.5)**	Matrix:	Soil	Date Received:	06.01.2020 08:06
Lab Sample Id:	663026-001	Date Collected:	05.29.2020 10:30		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.02.2020 08:00	Basis:	Wet Weight
Seq Number:	3127693				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.02.2020 15:45	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.02.2020 15:45	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.02.2020 15:45	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.02.2020 15:45	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.02.2020 15:45	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.02.2020 15:45	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.02.2020 15:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	06.02.2020 15:45	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.02.2020 15:45	

Certificate of Analytical Results 663026

Larson and Associates, Inc., Midland, TX

Salado 29-26-33

Sample Id: **S-12 (1')** Matrix: Soil Date Received:06.01.2020 08:06

Lab Sample Id: 663026-002 Date Collected: 05.29.2020 10:35

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.01.2020 16:50 Basis: Wet Weight

Seq Number: 3127635

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.90**	5.00	mg/kg	06.01.2020 20:27		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 06.03.2020 16:30 Basis: Wet Weight

Seq Number: 3128011

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	06.04.2020 16:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	06.04.2020 16:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	06.04.2020 16:12	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	06.04.2020 16:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	06.04.2020 16:12	
o-Terphenyl	84-15-1	95	%	70-130	06.04.2020 16:12	

Certificate of Analytical Results 663026

Larson and Associates, Inc., Midland, TX

Salado 29-26-33

Sample Id:	**S-12 (1')**	Matrix:	Soil	Date Received:	06.01.2020 08:06
Lab Sample Id:	663026-002	Date Collected:	05.29.2020 10:35		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	06.02.2020 08:00	Basis:	Wet Weight
Seq Number:	3127693				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.02.2020 16:06	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.02.2020 16:06	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.02.2020 16:06	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.02.2020 16:06	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.02.2020 16:06	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.02.2020 16:06	U	1
Total BTEX		<0.00201	0.00201	mg/kg	06.02.2020 16:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	06.02.2020 16:06	
1,4-Difluorobenzene	540-36-3	113	%	70-130	06.02.2020 16:06	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 663026

Larson and Associates, Inc.

Salado 29-26-33

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3127635 — Matrix: Solid — Date Prep: 06.01.2020
MB Sample Id: 7704549-1-BLK — LCS Sample Id: 7704549-1-BKS — LCSD Sample Id: 7704549-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	257	103	254	102	90-110	1	20	mg/kg	06.01.2020 19:46	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3127635 — Matrix: Soil — Date Prep: 06.01.2020
Parent Sample Id: 662924-006 — MS Sample Id: 662924-006 S — MSD Sample Id: 662924-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	110	250	364	102	361	100	90-110	1	20	mg/kg	06.01.2020 20:02	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3127635 — Matrix: Soil — Date Prep: 06.01.2020
Parent Sample Id: 663032-007 — MS Sample Id: 663032-007 S — MSD Sample Id: 663032-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	248	249	491	98	482	94	90-110	2	20	mg/kg	06.01.2020 21:12	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3128011 — Matrix: Solid — Date Prep: 06.03.2020
MB Sample Id: 7704701-1-BLK — LCS Sample Id: 7704701-1-BKS — LCSD Sample Id: 7704701-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	863	86	810	81	70-130	6	20	mg/kg	06.04.2020 10:26	
Diesel Range Organics (DRO)	<50.0	1000	889	89	840	84	70-130	6	20	mg/kg	06.04.2020 10:26	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		104		99		70-130	%	06.04.2020 10:26
o-Terphenyl	110		109		102		70-130	%	06.04.2020 10:26

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3128011 — Matrix: Solid — Date Prep: 06.03.2020
MB Sample Id: 7704701-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	06.04.2020 10:04	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 663026

Larson and Associates, Inc.

Salado 29-26-33

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3128011 Matrix: Soil Date Prep: 06.03.2020
Parent Sample Id: 663026-001 MS Sample Id: 663026-001 S MSD Sample Id: 663026-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	998	948	95	909	91	70-130	4	20	mg/kg	06.05.2020 07:46	
Diesel Range Organics (DRO)	<49.9	998	899	90	858	86	70-130	5	20	mg/kg	06.05.2020 07:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	113		106		70-130	%	06.05.2020 07:46
o-Terphenyl	105		98		70-130	%	06.05.2020 07:46

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3127693 Matrix: Solid Date Prep: 06.02.2020
MB Sample Id: 7704596-1-BLK LCS Sample Id: 7704596-1-BKS LCSD Sample Id: 7704596-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0943	94	0.102	102	70-130	8	35	mg/kg	06.02.2020 09:16	
Toluene	<0.00200	0.100	0.104	104	0.110	110	70-130	6	35	mg/kg	06.02.2020 09:16	
Ethylbenzene	<0.00200	0.100	0.0997	100	0.105	105	70-130	5	35	mg/kg	06.02.2020 09:16	
m,p-Xylenes	<0.00400	0.200	0.204	102	0.213	107	70-130	4	35	mg/kg	06.02.2020 09:16	
o-Xylene	<0.00200	0.100	0.0977	98	0.102	102	70-130	4	35	mg/kg	06.02.2020 09:16	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		101		104		70-130	%	06.02.2020 09:16
4-Bromofluorobenzene	103		106		109		70-130	%	06.02.2020 09:16

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3127693 Matrix: Soil Date Prep: 06.02.2020
Parent Sample Id: 663034-001 MS Sample Id: 663034-001 S MSD Sample Id: 663034-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0997	101	0.0914	92	70-130	9	35	mg/kg	06.02.2020 09:57	
Toluene	0.00235	0.0992	0.105	103	0.0968	95	70-130	8	35	mg/kg	06.02.2020 09:57	
Ethylbenzene	<0.00198	0.0992	0.0940	95	0.0845	85	70-130	11	35	mg/kg	06.02.2020 09:57	
m,p-Xylenes	<0.00397	0.198	0.190	96	0.172	87	70-130	10	35	mg/kg	06.02.2020 09:57	
o-Xylene	<0.00198	0.0992	0.0916	92	0.0834	84	70-130	9	35	mg/kg	06.02.2020 09:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		102		70-130	%	06.02.2020 09:57
4-Bromofluorobenzene	113		112		70-130	%	06.02.2020 09:57

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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№1177

Lab 32024

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 5/29/20 PAGE 1 OF 1

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Salado 29-26-33

LAI PROJECT #: 20-0107-08 COLLECTOR: DS/TJ

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

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 ☐	TBLP - 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-12 (0.5)		5/29/20	1030	S	1				X		X			X	X	X													X			
S-12 (1)		5/29/20	1035	S	1				X		X			X	X	X													X			

TOTAL 2

RELINQUISHED BY:(Signature) DATE/TIME 6/1 1500 RECEIVED BY: (Signature)

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

RELINQUISHED BY:(Signature) DATE/TIME 6/1 RECEIVED BY: (Signature)

LABORATORY: Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP: 3.8/3.5 - THERM#: DG
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Received by OCD: 10/31/2023 7:32:27 AM
Final 1.000
Page 13 of 14
Released to Imaging: 11/14/2023 1:08:55 PM

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Date/ Time Received: 06.01.2020 08.06.00 AM

Work Order #: 663026

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3.5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	BTEX was in bulk container
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**N/A**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 06.01.2020

Brianna Teel

Checklist reviewed by: Holly Taylor Date: 06.02.2020

Holly Taylor

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-7741-1
Laboratory Sample Delivery Group: 20-0107-08
Client Project/Site: Salado 29 26 33

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
11/8/2021 11:47:55 AM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Laboratory Job ID: 880-7741-1
SDG: 20-0107-08

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-7741-1
Project/Site: Salado 29 26 33 SDG: 20-0107-08

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Job ID: 880-7741-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-7741-1

Receipt
The samples were received on 10/29/2021 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-10920 and analytical batch 880-10933 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-15,15' (880-7741-13) and S-16,15' (880-7741-18). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-10922 and analytical batch 880-10983 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-11222 and analytical batch 880-11195 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D: The laboratory control sample (LCS) associated with preparation batch 880-11148 and analytical batch 880-11216 was outside acceptance criteria, due to a mis-injection. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-11446 and analytical batch 880-11458 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-13, 1'

Date Collected: 10/27/21 13:40
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		10/29/21 11:02	10/29/21 16:22	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		10/29/21 11:02	10/29/21 16:22	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		10/29/21 11:02	10/29/21 16:22	1
m,p-Xylenes	<0.00399	U F1	0.00399		mg/Kg		10/29/21 11:02	10/29/21 16:22	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		10/29/21 11:02	10/29/21 16:22	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		10/29/21 11:02	10/29/21 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*10/29/21 11:02*	*10/29/21 16:22*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*10/29/21 11:02*	*10/29/21 16:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 13:18	1

Method: 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			11/03/21 08:46	1

Method: 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		11/01/21 15:48	11/02/21 11:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 11:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*11/01/21 15:48*	*11/02/21 11:58*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*11/01/21 15:48*	*11/02/21 11:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.2**		4.97		mg/Kg			11/03/21 13:16	1

Client Sample ID: S-13, 3'

Date Collected: 10/27/21 13:41
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 16:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 16:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 16:43	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/29/21 11:02	10/29/21 16:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 16:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/29/21 11:02	10/29/21 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/29/21 11:02*	*10/29/21 16:43*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/29/21 11:02*	*10/29/21 16:43*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-13, 3'

Date Collected: 10/27/21 13:41
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-2
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 13:18	1

Method: 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			11/03/21 08:46	1

Method: 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		11/01/21 15:48	11/02/21 13:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 13:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*11/01/21 15:48*	*11/02/21 13:02*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*11/01/21 15:48*	*11/02/21 13:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**477**		4.95		mg/Kg			11/03/21 13:22	1

Client Sample ID: S-13, 5'

Date Collected: 10/27/21 13:42
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 17:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 17:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 17:04	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/29/21 11:02	10/29/21 17:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 17:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/29/21 11:02	10/29/21 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*10/29/21 11:02*	*10/29/21 17:04*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*10/29/21 11:02*	*10/29/21 17:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/01/21 13:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/03/21 08:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 13:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 13:23	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-13, 5'

Date Collected: 10/27/21 13:42
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-3
Matrix: Solid

Method: 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		11/01/21 15:48	11/02/21 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*11/01/21 15:48*	*11/02/21 13:23*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*11/01/21 15:48*	*11/02/21 13:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**590**		4.99		mg/Kg			11/03/21 13:28	1

Client Sample ID: S-13, 10'

Date Collected: 10/27/21 13:43
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-4
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 17:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 17:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 17:24	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/29/21 11:02	10/29/21 17:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 17:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/29/21 11:02	10/29/21 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*10/29/21 11:02*	*10/29/21 17:24*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*10/29/21 11:02*	*10/29/21 17:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 13:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/03/21 08:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 13:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 13:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*11/01/21 15:48*	*11/02/21 13:45*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*11/01/21 15:48*	*11/02/21 13:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		5.04		mg/Kg			11/03/21 14:50	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-14, 1'

Date Collected: 10/27/21 14:11
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 17:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 17:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 17:45	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/29/21 11:02	10/29/21 17:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 17:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/29/21 11:02	10/29/21 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/29/21 11:02*	*10/29/21 17:45*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/29/21 11:02*	*10/29/21 17:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 13:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/03/21 08:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/01/21 15:48	11/02/21 14:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/01/21 15:48	11/02/21 14:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/01/21 15:48	11/02/21 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*97*		*70 - 130*	*11/01/21 15:48*	*11/02/21 14:07*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*11/01/21 15:48*	*11/02/21 14:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**773**		4.98		mg/Kg			11/03/21 14:56	1

Client Sample ID: S-14,3'

Date Collected: 10/27/21 14:12
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-6
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:02	10/29/21 18:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:02	10/29/21 18:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:02	10/29/21 18:06	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/29/21 11:02	10/29/21 18:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:02	10/29/21 18:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/29/21 11:02	10/29/21 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*10/29/21 11:02*	*10/29/21 18:06*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/29/21 11:02*	*10/29/21 18:06*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-14,3'

Date Collected: 10/27/21 14:12
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-6
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/01/21 13:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/03/21 08:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 14:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 14:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*11/01/21 15:48*	*11/02/21 14:28*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*11/01/21 15:48*	*11/02/21 14:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**661**		4.95		mg/Kg			11/03/21 15:02	1

Client Sample ID: S-14,5'

Date Collected: 10/27/21 14:13
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-7
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 18:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 18:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 18:26	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		10/29/21 11:02	10/29/21 18:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 18:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/29/21 11:02	10/29/21 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*10/29/21 11:02*	*10/29/21 18:26*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/29/21 11:02*	*10/29/21 18:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/01/21 13:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/03/21 08:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/01/21 15:48	11/02/21 14:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/01/21 15:48	11/02/21 14:50	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-14,5'

Lab Sample ID: 880-7741-7
Matrix: Solid
Date Collected: 10/27/21 14:13
Date Received: 10/29/21 10:10

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/01/21 15:48	11/02/21 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*11/01/21 15:48*	*11/02/21 14:50*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*11/01/21 15:48*	*11/02/21 14:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**226**		5.01		mg/Kg			11/03/21 15:08	1

Client Sample ID: S-14,10'

Lab Sample ID: 880-7741-8
Matrix: Solid
Date Collected: 10/27/21 14:14
Date Received: 10/29/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 18:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 18:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 18:47	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/29/21 11:02	10/29/21 18:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 18:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/29/21 11:02	10/29/21 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/29/21 11:02*	*10/29/21 18:47*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/29/21 11:02*	*10/29/21 18:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 13:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/03/21 08:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 15:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 15:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*11/01/21 15:48*	*11/02/21 15:12*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*11/01/21 15:48*	*11/02/21 15:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**		4.97		mg/Kg			11/03/21 15:13	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-15,1'

Date Collected: 10/27/21 14:41
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-9
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 19:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 19:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 19:08	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		10/29/21 11:02	10/29/21 19:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 19:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/29/21 11:02	10/29/21 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/29/21 11:02*	*10/29/21 19:08*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/29/21 11:02*	*10/29/21 19:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/01/21 13:18	1

Method: 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			11/03/21 08:46	1

Method: 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		11/01/21 15:48	11/02/21 15:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 15:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*11/01/21 15:48*	*11/02/21 15:34*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*11/01/21 15:48*	*11/02/21 15:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3060**		25.0		mg/Kg			11/03/21 15:19	5

Client Sample ID: S-15,3'

Date Collected: 10/27/21 14:42
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-10
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 19:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 19:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 19:28	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/29/21 11:02	10/29/21 19:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 19:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/29/21 11:02	10/29/21 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/29/21 11:02*	*10/29/21 19:28*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/29/21 11:02*	*10/29/21 19:28*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-15,3'

Date Collected: 10/27/21 14:42
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-10
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 13:18	1

Method: 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			11/03/21 08:46	1

Method: 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		11/01/21 15:48	11/02/21 15:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 15:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*11/01/21 15:48*	*11/02/21 15:56*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*11/01/21 15:48*	*11/02/21 15:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4350**		25.0		mg/Kg			11/03/21 15:37	5

Client Sample ID: S-15,5'

Date Collected: 10/27/21 14:43
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-11
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 20:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 20:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 20:51	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/29/21 11:02	10/29/21 20:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 20:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/29/21 11:02	10/29/21 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*10/29/21 11:02*	*10/29/21 20:51*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/29/21 11:02*	*10/29/21 20:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 13:18	1

Method: 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			11/03/21 08:46	1

Method: 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		11/01/21 15:48	11/02/21 16:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 16:40	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-15,5'

Lab Sample ID: 880-7741-11
Matrix: Solid
Date Collected: 10/27/21 14:43
Date Received: 10/29/21 10:10

Method: 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		11/01/21 15:48	11/02/21 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*11/01/21 15:48*	*11/02/21 16:40*	*1*
o-Terphenyl (Surr)	*111*		*70 - 130*	*11/01/21 15:48*	*11/02/21 16:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3890**		24.8		mg/Kg			11/03/21 15:43	5

Client Sample ID: S-15,10'

Lab Sample ID: 880-7741-12
Matrix: Solid
Date Collected: 10/27/21 14:44
Date Received: 10/29/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:02	10/29/21 21:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:02	10/29/21 21:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:02	10/29/21 21:12	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/29/21 11:02	10/29/21 21:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:02	10/29/21 21:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/29/21 11:02	10/29/21 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*10/29/21 11:02*	*10/29/21 21:12*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/29/21 11:02*	*10/29/21 21:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/01/21 13:18	1

Method: 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			11/03/21 08:46	1

Method: 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		11/01/21 15:48	11/02/21 17:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 17:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*11/01/21 15:48*	*11/02/21 17:02*	*1*
o-Terphenyl (Surr)	*109*		*70 - 130*	*11/01/21 15:48*	*11/02/21 17:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2870**		24.8		mg/Kg			11/03/21 16:00	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-15,15'

Lab Sample ID: 880-7741-13
Matrix: Solid
Date Collected: 10/28/21 08:20
Date Received: 10/29/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 21:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 21:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 21:33	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/29/21 11:02	10/29/21 21:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 21:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/29/21 11:02	10/29/21 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*10/29/21 11:02*	*10/29/21 21:33*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/29/21 11:02*	*10/29/21 21:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/01/21 13:18	1

Method: 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			11/03/21 08:46	1

Method: 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		11/01/21 15:48	11/02/21 17:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 17:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*11/01/21 15:48*	*11/02/21 17:23*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*11/01/21 15:48*	*11/02/21 17:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**169**		5.02		mg/Kg			11/03/21 16:06	1

Client Sample ID: S-16,1'

Lab Sample ID: 880-7741-14
Matrix: Solid
Date Collected: 10/28/21 08:50
Date Received: 10/29/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/29/21 11:02	10/29/21 21:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/29/21 11:02	10/29/21 21:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/29/21 11:02	10/29/21 21:53	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		10/29/21 11:02	10/29/21 21:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/29/21 11:02	10/29/21 21:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/29/21 11:02	10/29/21 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*10/29/21 11:02*	*10/29/21 21:53*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/29/21 11:02*	*10/29/21 21:53*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-16,1'

Date Collected: 10/28/21 08:50
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-14
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/01/21 13:18	1

Method: 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			11/03/21 08:46	1

Method: 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		11/01/21 15:48	11/02/21 17:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 17:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*11/01/21 15:48*	*11/02/21 17:44*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*11/01/21 15:48*	*11/02/21 17:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**327**		4.98		mg/Kg			11/03/21 17:28	1

Client Sample ID: S-16,3'

Date Collected: 10/28/21 08:51
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-15
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 22:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 22:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 22:14	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/29/21 11:02	10/29/21 22:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 22:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/29/21 11:02	10/29/21 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/29/21 11:02*	*10/29/21 22:14*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/29/21 11:02*	*10/29/21 22:14*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 13:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/03/21 08:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 18:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 18:06	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-16,3'

Lab Sample ID: 880-7741-15
Matrix: Solid
Date Collected: 10/28/21 08:51
Date Received: 10/29/21 10:10

Method: 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		11/01/21 15:48	11/02/21 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*11/01/21 15:48*	*11/02/21 18:06*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*11/01/21 15:48*	*11/02/21 18:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**254**		4.95		mg/Kg			11/03/21 16:18	1

Client Sample ID: S-16,5'

Lab Sample ID: 880-7741-16
Matrix: Solid
Date Collected: 10/28/21 08:52
Date Received: 10/29/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 22:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 22:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 22:35	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/29/21 11:02	10/29/21 22:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:02	10/29/21 22:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/29/21 11:02	10/29/21 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*10/29/21 11:02*	*10/29/21 22:35*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/29/21 11:02*	*10/29/21 22:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 13:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/03/21 08:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/01/21 15:48	11/02/21 18:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/01/21 15:48	11/02/21 18:28	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/01/21 15:48	11/02/21 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*11/01/21 15:48*	*11/02/21 18:28*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*11/01/21 15:48*	*11/02/21 18:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2150**		25.2		mg/Kg			11/07/21 16:48	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-16,10'

Date Collected: 10/28/21 08:53
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-17
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:02	10/29/21 22:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:02	10/29/21 22:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:02	10/29/21 22:55	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/29/21 11:02	10/29/21 22:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:02	10/29/21 22:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/29/21 11:02	10/29/21 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/29/21 11:02*	*10/29/21 22:55*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*10/29/21 11:02*	*10/29/21 22:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/01/21 13:18	1

Method: 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			11/03/21 08:46	1

Method: 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		11/01/21 15:48	11/02/21 18:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 18:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*11/01/21 15:48*	*11/02/21 18:50*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*11/01/21 15:48*	*11/02/21 18:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**523**		5.00		mg/Kg			11/03/21 16:30	1

Client Sample ID: S-16,15'

Date Collected: 10/28/21 10:50
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-18
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 23:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 23:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 23:16	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		10/29/21 11:02	10/29/21 23:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 23:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/29/21 11:02	10/29/21 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*10/29/21 11:02*	*10/29/21 23:16*	*1*
1,4-Difluorobenzene (Surr)	*43*	*S1-*	*70 - 130*	*10/29/21 11:02*	*10/29/21 23:16*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-16,15'

Date Collected: 10/28/21 10:50
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-18
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/01/21 13:18	1

Method: 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			11/03/21 08:46	1

Method: 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		11/01/21 15:48	11/02/21 19:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 19:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*11/01/21 15:48*	*11/02/21 19:12*	*1*
o-Terphenyl (Surr)	*109*		*70 - 130*	*11/01/21 15:48*	*11/02/21 19:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.7**		4.97		mg/Kg			11/03/21 16:36	1

Client Sample ID: S-17,1'

Date Collected: 10/28/21 09:15
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-19
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 23:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 23:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 23:36	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		10/29/21 11:02	10/29/21 23:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 23:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/29/21 11:02	10/29/21 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*10/29/21 11:02*	*10/29/21 23:36*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/29/21 11:02*	*10/29/21 23:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/01/21 13:18	1

Method: 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			11/03/21 08:46	1

Method: 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		11/01/21 15:48	11/02/21 19:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 15:48	11/02/21 19:34	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-17,1'

Lab Sample ID: 880-7741-19
Matrix: Solid
Date Collected: 10/28/21 09:15
Date Received: 10/29/21 10:10

Method: 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		11/01/21 15:48	11/02/21 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*11/01/21 15:48*	*11/02/21 19:34*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*11/01/21 15:48*	*11/02/21 19:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.17**		4.95		mg/Kg			11/01/21 11:22	1

Client Sample ID: S-17,3'

Lab Sample ID: 880-7741-20
Matrix: Solid
Date Collected: 10/28/21 09:16
Date Received: 10/29/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 23:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 23:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 23:57	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		10/29/21 11:02	10/29/21 23:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:02	10/29/21 23:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/29/21 11:02	10/29/21 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*10/29/21 11:02*	*10/29/21 23:57*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*10/29/21 11:02*	*10/29/21 23:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/01/21 13:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/03/21 08:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/01/21 15:48	11/02/21 19:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/01/21 15:48	11/02/21 19:57	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/01/21 15:48	11/02/21 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*11/01/21 15:48*	*11/02/21 19:57*	*1*
o-Terphenyl (Surr)	*113*		*70 - 130*	*11/01/21 15:48*	*11/02/21 19:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**296**		4.98		mg/Kg			11/01/21 11:27	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-17,5'

Date Collected: 10/28/21 09:17
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-21
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		10/29/21 11:05	11/01/21 14:19	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		10/29/21 11:05	11/01/21 14:19	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		10/29/21 11:05	11/01/21 14:19	1
m,p-Xylenes	<0.00399	U F1	0.00399		mg/Kg		10/29/21 11:05	11/01/21 14:19	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		10/29/21 11:05	11/01/21 14:19	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		10/29/21 11:05	11/01/21 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*10/29/21 11:05*	*11/01/21 14:19*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/29/21 11:05*	*11/01/21 14:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 14:19	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/03/21 08:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/01/21 14:48	11/02/21 23:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/01/21 14:48	11/02/21 23:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/01/21 14:48	11/02/21 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*11/01/21 14:48*	*11/02/21 23:59*	*1*
o-Terphenyl (Surr)	*116*		*70 - 130*	*11/01/21 14:48*	*11/02/21 23:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.98**		4.95		mg/Kg			11/01/21 11:33	1

Client Sample ID: S-17,10'

Date Collected: 10/28/21 09:18
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-22
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/29/21 11:05	11/01/21 14:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/29/21 11:05	11/01/21 14:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/29/21 11:05	11/01/21 14:40	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		10/29/21 11:05	11/01/21 14:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/29/21 11:05	11/01/21 14:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/29/21 11:05	11/01/21 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*10/29/21 11:05*	*11/01/21 14:40*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/29/21 11:05*	*11/01/21 14:40*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-17,10'

Date Collected: 10/28/21 09:18
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-22
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/01/21 14:19	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/03/21 12:10	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/01/21 14:48	11/03/21 00:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/01/21 14:48	11/03/21 00:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/01/21 14:48	11/03/21 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*11/01/21 14:48*	*11/03/21 00:21*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*11/01/21 14:48*	*11/03/21 00:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.1**		5.04		mg/Kg			11/01/21 11:39	1

Client Sample ID: S-18,1'

Date Collected: 10/28/21 10:10
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-23
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/29/21 11:05	11/01/21 15:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/29/21 11:05	11/01/21 15:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/29/21 11:05	11/01/21 15:00	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		10/29/21 11:05	11/01/21 15:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/29/21 11:05	11/01/21 15:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/29/21 11:05	11/01/21 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/29/21 11:05*	*11/01/21 15:00*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*10/29/21 11:05*	*11/01/21 15:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/01/21 14:19	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/03/21 08:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/01/21 14:48	11/03/21 00:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/01/21 14:48	11/03/21 00:44	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-18,1'

Date Collected: 10/28/21 10:10
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/01/21 14:48	11/03/21 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*11/01/21 14:48*	*11/03/21 00:44*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*11/01/21 14:48*	*11/03/21 00:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.10**		5.01		mg/Kg			11/01/21 11:45	1

Client Sample ID: S-18,3'

Date Collected: 10/28/21 10:11
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-24
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:05	11/01/21 15:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:05	11/01/21 15:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:05	11/01/21 15:20	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		10/29/21 11:05	11/01/21 15:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/29/21 11:05	11/01/21 15:20	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/29/21 11:05	11/01/21 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*10/29/21 11:05*	*11/01/21 15:20*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/29/21 11:05*	*11/01/21 15:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/03/21 12:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/03/21 12:10	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/01/21 14:48	11/03/21 01:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/01/21 14:48	11/03/21 01:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/01/21 14:48	11/03/21 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*11/01/21 14:48*	*11/03/21 01:06*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*11/01/21 14:48*	*11/03/21 01:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			11/01/21 11:51	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-18,5'

Lab Sample ID: 880-7741-25
Matrix: Solid
Date Collected: 10/28/21 10:12
Date Received: 10/29/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:05	11/01/21 15:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:05	11/01/21 15:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:05	11/01/21 15:41	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/29/21 11:05	11/01/21 15:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/29/21 11:05	11/01/21 15:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/29/21 11:05	11/01/21 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*10/29/21 11:05*	*11/01/21 15:41*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/29/21 11:05*	*11/01/21 15:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/03/21 12:38	1

Method: 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			11/03/21 12:10	1

Method: 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		11/01/21 14:48	11/03/21 01:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 14:48	11/03/21 01:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 14:48	11/03/21 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*11/01/21 14:48*	*11/03/21 01:28*	*1*
o-Terphenyl (Surr)	*114*		*70 - 130*	*11/01/21 14:48*	*11/03/21 01:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.6**	*-	5.00		mg/Kg			11/04/21 11:23	1

Client Sample ID: S-18,10'

Lab Sample ID: 880-7741-26
Matrix: Solid
Date Collected: 10/28/21 10:13
Date Received: 10/29/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:05	11/01/21 16:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:05	11/01/21 16:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:05	11/01/21 16:01	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/29/21 11:05	11/01/21 16:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/29/21 11:05	11/01/21 16:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/29/21 11:05	11/01/21 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/29/21 11:05*	*11/01/21 16:01*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*10/29/21 11:05*	*11/01/21 16:01*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-18,10'

Date Collected: 10/28/21 10:13
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-26
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/03/21 12:38	1

Method: 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			11/03/21 12:10	1

Method: 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		11/01/21 14:48	11/03/21 01:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 14:48	11/03/21 01:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 14:48	11/03/21 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*11/01/21 14:48*	*11/03/21 01:51*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*11/01/21 14:48*	*11/03/21 01:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**	*-	4.99		mg/Kg			11/04/21 03:45	1

Client Sample ID: S-19,1'

Date Collected: 10/28/21 09:50
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-27
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00370**		0.00200		mg/Kg		10/29/21 11:05	11/01/21 16:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 16:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 16:21	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		10/29/21 11:05	11/01/21 16:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 16:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/29/21 11:05	11/01/21 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*10/29/21 11:05*	*11/01/21 16:21*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*10/29/21 11:05*	*11/01/21 16:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/03/21 12:38	1

Method: 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			11/03/21 12:10	1

Method: 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		11/01/21 14:48	11/03/21 02:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 14:48	11/03/21 02:36	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-19,1'

Date Collected: 10/28/21 09:50
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-27
Matrix: Solid

Method: 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		11/01/21 14:48	11/03/21 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*11/01/21 14:48*	*11/03/21 02:36*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*11/01/21 14:48*	*11/03/21 02:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**166**	*-	4.98		mg/Kg			11/04/21 03:52	1

Client Sample ID: S-19,3'

Date Collected: 10/28/21 09:51
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-28
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 16:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 16:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 16:42	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		10/29/21 11:05	11/01/21 16:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 16:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/29/21 11:05	11/01/21 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*10/29/21 11:05*	*11/01/21 16:42*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*10/29/21 11:05*	*11/01/21 16:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/03/21 12:38	1

Method: 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			11/03/21 12:10	1

Method: 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		11/01/21 14:48	11/03/21 02:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 14:48	11/03/21 02:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 14:48	11/03/21 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*11/01/21 14:48*	*11/03/21 02:58*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*11/01/21 14:48*	*11/03/21 02:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**	*-	4.95		mg/Kg			11/04/21 03:59	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-19,5'

Date Collected: 10/28/21 09:52
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-29
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 17:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 17:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 17:02	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/29/21 11:05	11/01/21 17:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 17:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/29/21 11:05	11/01/21 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*10/29/21 11:05*	*11/01/21 17:02*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/29/21 11:05*	*11/01/21 17:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/03/21 12:38	1

Method: 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			11/03/21 12:10	1

Method: 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		11/01/21 14:48	11/03/21 03:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/21 14:48	11/03/21 03:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/21 14:48	11/03/21 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*11/01/21 14:48*	*11/03/21 03:21*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*11/01/21 14:48*	*11/03/21 03:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**227**	*-	4.99		mg/Kg			11/04/21 04:06	1

Client Sample ID: S-19,10'

Date Collected: 10/29/21 09:53
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-30
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 17:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 17:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 17:23	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/29/21 11:05	11/01/21 17:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 17:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/29/21 11:05	11/01/21 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*10/29/21 11:05*	*11/01/21 17:23*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/29/21 11:05*	*11/01/21 17:23*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-19,10'

Date Collected: 10/29/21 09:53
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-30

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/03/21 12:38	1

Method: 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			11/03/21 12:10	1

Method: 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		11/02/21 11:18	11/03/21 02:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/02/21 11:18	11/03/21 02:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/02/21 11:18	11/03/21 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*11/02/21 11:18*	*11/03/21 02:36*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*11/02/21 11:18*	*11/03/21 02:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.7**	*-	5.04		mg/Kg			11/04/21 04:28	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-7741-1	S-13, 1'	92	104
880-7741-1 MS	S-13, 1'	95	89
880-7741-1 MSD	S-13, 1'	93	100
880-7741-2	S-13, 3'	95	110
880-7741-3	S-13, 5'	97	112
880-7741-4	S-13, 10'	96	113
880-7741-5	S-14, 1'	105	106
880-7741-6	S-14,3'	109	99
880-7741-7	S-14,5'	98	109
880-7741-8	S-14,10'	101	107
880-7741-9	S-15,1'	101	109
880-7741-10	S-15,3'	106	105
880-7741-11	S-15,5'	102	100
880-7741-12	S-15,10'	102	100
880-7741-13	S-15,15'	159 S1+	101
880-7741-14	S-16,1'	112	99
880-7741-15	S-16,3'	100	107
880-7741-16	S-16,5'	109	108
880-7741-17	S-16,10'	106	104
880-7741-18	S-16,15'	109	43 S1-
880-7741-19	S-17,1'	108	106
880-7741-20	S-17,3'	107	104
880-7741-21	S-17,5'	112	98
880-7741-21 MS	S-17,5'	124	104
880-7741-21 MSD	S-17,5'	681 S1+	34 S1-
880-7741-22	S-17,10'	86	85
880-7741-23	S-18,1'	93	93
880-7741-24	S-18,3'	92	100
880-7741-25	S-18,5'	117	107
880-7741-26	S-18,10'	95	86
880-7741-27	S-19,1'	73	90
880-7741-28	S-19,3'	78	92
880-7741-29	S-19,5'	120	106
880-7741-30	S-19,10'	117	111
LCS 880-10920/1-A	Lab Control Sample	93	101
LCS 880-10922/1-A	Lab Control Sample	118	105
LCSD 880-10920/2-A	Lab Control Sample Dup	95	97
LCSD 880-10922/2-A	Lab Control Sample Dup	116	101
MB 880-10920/5-A	Method Blank	110	100
MB 880-10922/5-A	Method Blank	118	105

Surrogate Legend

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

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-7741-1
Project/Site: Salado 29 26 33 SDG: 20-0107-08

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-7741-1	S-13, 1'	98	104								
880-7741-1 MS	S-13, 1'	93	96								
880-7741-1 MSD	S-13, 1'	97	96								
880-7741-2	S-13, 3'	108	119								
880-7741-3	S-13, 5'	102	110								
880-7741-4	S-13, 10'	96	100								
880-7741-5	S-14, 1'	97	105								
880-7741-6	S-14,3'	102	107								
880-7741-7	S-14,5'	99	105								
880-7741-8	S-14,10'	102	112								
880-7741-9	S-15,1'	95	102								
880-7741-10	S-15,3'	101	110								
880-7741-11	S-15,5'	105	111								
880-7741-12	S-15,10'	100	109								
880-7741-13	S-15,15'	100	107								
880-7741-14	S-16,1'	99	103								
880-7741-15	S-16,3'	95	102								
880-7741-16	S-16,5'	105	118								
880-7741-17	S-16,10'	99	106								
880-7741-18	S-16,15'	103	109								
880-7741-19	S-17,1'	115	120								
880-7741-20	S-17,3'	106	113								
880-7741-21	S-17,5'	107	116								
880-7741-22	S-17,10'	94	101								
880-7741-23	S-18,1'	111	118								
880-7741-24	S-18,3'	98	107								
880-7741-25	S-18,5'	106	114								
880-7741-26	S-18,10'	92	100								
880-7741-27	S-19,1'	95	101								
880-7741-28	S-19,3'	102	108								
880-7741-29	S-19,5'	94	103								
880-7741-30	S-19,10'	101	97								
880-7761-A-21-E MS	Matrix Spike	104	98								
880-7761-A-21-F MSD	Matrix Spike Duplicate	109	101								
890-1495-A-1-H MS	Matrix Spike	99	99								
890-1495-A-1-I MSD	Matrix Spike Duplicate	102	115								
LCS 880-11158/2-A	Lab Control Sample	101	104								
LCS 880-11166/2-A	Lab Control Sample	92	97								
LCS 880-11222/2-A	Lab Control Sample	101	103								
LCSD 880-11158/3-A	Lab Control Sample Dup	90	95								
LCSD 880-11166/3-A	Lab Control Sample Dup	95	102								
LCSD 880-11222/3-A	Lab Control Sample Dup	104	103								
MB 880-11158/1-A	Method Blank	103	114								
MB 880-11166/1-A	Method Blank	98	105								
MB 880-11222/1-A	Method Blank	113	120								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-10920/5-A
Matrix: Solid
Analysis Batch: 10933

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10920

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 16:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 16:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 16:00	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/29/21 11:02	10/29/21 16:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:02	10/29/21 16:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/29/21 11:02	10/29/21 16:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*10/29/21 11:02*	*10/29/21 16:00*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/29/21 11:02*	*10/29/21 16:00*	*1*

Lab Sample ID: LCS 880-10920/1-A
Matrix: Solid
Analysis Batch: 10933

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10920

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08223		mg/Kg		82	70 - 130		
Toluene			0.100	0.07305		mg/Kg		73	70 - 130		
Ethylbenzene			0.100	0.08154		mg/Kg		82	70 - 130		
m,p-Xylenes			0.200	0.1576		mg/Kg		79	70 - 130		
o-Xylene			0.100	0.08051		mg/Kg		81	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-10920/2-A
Matrix: Solid
Analysis Batch: 10933

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10920

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08182		mg/Kg		82	70 - 130	1	35
Toluene			0.100	0.07580		mg/Kg		76	70 - 130	4	35
Ethylbenzene			0.100	0.08510		mg/Kg		85	70 - 130	4	35
m,p-Xylenes			0.200	0.1639		mg/Kg		82	70 - 130	4	35
o-Xylene			0.100	0.08441		mg/Kg		84	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-7741-1 MS
Matrix: Solid
Analysis Batch: 10933

Client Sample ID: S-13, 1'
Prep Type: Total/NA
Prep Batch: 10920

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F1	0.0990	0.05938	F1	mg/Kg		60	70 - 130		
Toluene	<0.00200	U F1	0.0990	0.06079	F1	mg/Kg		61	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

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

Lab Sample ID: 880-7741-1 MS
Matrix: Solid
Analysis Batch: 10933

Client Sample ID: S-13, 1'
Prep Type: Total/NA
Prep Batch: 10920

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.0990	0.06952		mg/Kg		70	70 - 130
m,p-Xylenes	<0.00399	U F1	0.198	0.1344	F1	mg/Kg		68	70 - 130
o-Xylene	<0.00200	U F1	0.0990	0.06892	F1	mg/Kg		69	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-7741-1 MSD
Matrix: Solid
Analysis Batch: 10933

Client Sample ID: S-13, 1'
Prep Type: Total/NA
Prep Batch: 10920

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0996	0.06510	F1	mg/Kg		65	70 - 130	9	35
Toluene	<0.00200	U F1	0.0996	0.05813	F1	mg/Kg		58	70 - 130	4	35
Ethylbenzene	<0.00200	U F1	0.0996	0.06421	F1	mg/Kg		64	70 - 130	8	35
m,p-Xylenes	<0.00399	U F1	0.199	0.1220	F1	mg/Kg		61	70 - 130	10	35
o-Xylene	<0.00200	U F1	0.0996	0.06284	F1	mg/Kg		63	70 - 130	9	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-10922/5-A
Matrix: Solid
Analysis Batch: 10983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10922

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 13:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 13:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 13:51	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/29/21 11:05	11/01/21 13:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/21 11:05	11/01/21 13:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/29/21 11:05	11/01/21 13:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*10/29/21 11:05*	*11/01/21 13:51*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/29/21 11:05*	*11/01/21 13:51*	*1*

Lab Sample ID: LCS 880-10922/1-A
Matrix: Solid
Analysis Batch: 10983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10922

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.08454		mg/Kg		85	70 - 130
Toluene			0.100	0.09209		mg/Kg		92	70 - 130
Ethylbenzene			0.100	0.09963		mg/Kg		100	70 - 130
m,p-Xylenes			0.200	0.1946		mg/Kg		97	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

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

Lab Sample ID: LCS 880-10922/1-A
Matrix: Solid
Analysis Batch: 10983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10922

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
o-Xylene			0.100	0.09918		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-10922/2-A
Matrix: Solid
Analysis Batch: 10983

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10922

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1014		mg/Kg		101	70 - 130	18	35
Toluene			0.100	0.1048		mg/Kg		105	70 - 130	13	35
Ethylbenzene			0.100	0.1056		mg/Kg		106	70 - 130	6	35
m,p-Xylenes			0.200	0.2099		mg/Kg		105	70 - 130	8	35
o-Xylene			0.100	0.1034		mg/Kg		103	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-7741-21 MS
Matrix: Solid
Analysis Batch: 10983

Client Sample ID: S-17,5'
Prep Type: Total/NA
Prep Batch: 10922

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F1 F2	0.101	0.04655	F1	mg/Kg		46	70 - 130		
Toluene	<0.00200	U F1 F2	0.101	0.05953	F1	mg/Kg		58	70 - 130		
Ethylbenzene	<0.00200	U F1 F2	0.101	0.06440	F1	mg/Kg		64	70 - 130		
m,p-Xylenes	<0.00399	U F1	0.201	0.1159	F1	mg/Kg		57	70 - 130		
o-Xylene	<0.00200	U F1	0.101	0.05858	F1	mg/Kg		57	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-7741-21 MSD
Matrix: Solid
Analysis Batch: 10983

Client Sample ID: S-17,5'
Prep Type: Total/NA
Prep Batch: 10922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.0996	0.06731	F1 F2	mg/Kg		68	70 - 130	36	35
Toluene	<0.00200	U F1 F2	0.0996	0.1108	F2	mg/Kg		110	70 - 130	60	35
Ethylbenzene	<0.00200	U F1 F2	0.0996	0.01920	F1 F2	mg/Kg		19	70 - 130	108	35
m,p-Xylenes	<0.00399	U F1	0.199	0.1268	F1	mg/Kg		63	70 - 130	9	35
o-Xylene	<0.00200	U F1	0.0996	0.05809	F1	mg/Kg		57	70 - 130	1	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

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

Lab Sample ID: 880-7741-21 MSD
Matrix: Solid
Analysis Batch: 10983

Client Sample ID: S-17,5'
Prep Type: Total/NA
Prep Batch: 10922

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	681	S1+	70 - 130
1,4-Difluorobenzene (Surr)	34	S1-	70 - 130

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

Lab Sample ID: MB 880-11158/1-A
Matrix: Solid
Analysis Batch: 11193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11158

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/01/21 14:48	11/02/21 20:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/01/21 14:48	11/02/21 20:41	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/01/21 14:48	11/02/21 20:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130	11/01/21 14:48	11/02/21 20:41	1
o-Terphenyl (Surr)	114		70 - 130	11/01/21 14:48	11/02/21 20:41	1

Lab Sample ID: LCS 880-11158/2-A
Matrix: Solid
Analysis Batch: 11193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11158

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	999.0		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	991.9		mg/Kg		99	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-11158/3-A
Matrix: Solid
Analysis Batch: 11193

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11158

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	897.3		mg/Kg		90	70 - 130	11	20
Diesel Range Organics (Over C10-C28)			1000	1021		mg/Kg		102	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	90		70 - 130
o-Terphenyl (Surr)	95		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

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

Lab Sample ID: 890-1495-A-1-H MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 11193 — **Prep Batch: 11158**

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	997	1026		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	964.5		mg/Kg		95	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*99*		*70 - 130*
o-Terphenyl (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-1495-A-1-I MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 11193 — **Prep Batch: 11158**

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	1000	1156		mg/Kg		116	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	975.7		mg/Kg		95	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*102*		*70 - 130*
o-Terphenyl (Surr)	*115*		*70 - 130*

Lab Sample ID: MB 880-11166/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 11193 — **Prep Batch: 11166**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 10:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 10:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/01/21 15:48	11/02/21 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*11/01/21 15:48*	*11/02/21 10:53*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*11/01/21 15:48*	*11/02/21 10:53*	*1*

Lab Sample ID: LCS 880-11166/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 11193 — **Prep Batch: 11166**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1027		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1023		mg/Kg		102	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

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

Lab Sample ID: LCS 880-11166/2-A
Matrix: Solid
Analysis Batch: 11193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11166

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-11166/3-A
Matrix: Solid
Analysis Batch: 11193

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11166

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	975.3		mg/Kg		98	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	964.4		mg/Kg		96	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	95		70 - 130
o-Terphenyl (Surr)	102		70 - 130

Lab Sample ID: 880-7741-1 MS
Matrix: Solid
Analysis Batch: 11193

Client Sample ID: S-13, 1'
Prep Type: Total/NA
Prep Batch: 11166

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	997	1021		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	893.5		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	96		70 - 130

Lab Sample ID: 880-7741-1 MSD
Matrix: Solid
Analysis Batch: 11193

Client Sample ID: S-13, 1'
Prep Type: Total/NA
Prep Batch: 11166

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	1000	1145		mg/Kg		114	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	922.3		mg/Kg		92	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	96		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

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

Lab Sample ID: MB 880-11222/1-A
Matrix: Solid
Analysis Batch: 11195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11222

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/02/21 11:18	11/02/21 20:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/02/21 11:18	11/02/21 20:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/02/21 11:18	11/02/21 20:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*11/02/21 11:18*	*11/02/21 20:41*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*11/02/21 11:18*	*11/02/21 20:41*	*1*

Lab Sample ID: LCS 880-11222/2-A
Matrix: Solid
Analysis Batch: 11195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11222

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	889.0		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1228		mg/Kg		123	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*101*		*70 - 130*
o-Terphenyl (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-11222/3-A
Matrix: Solid
Analysis Batch: 11195

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11222

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	869.5		mg/Kg		87	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1149		mg/Kg		115	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-7761-A-21-E MS
Matrix: Solid
Analysis Batch: 11195

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 11222

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 F1 F2	997	1045		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1030		mg/Kg		101	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

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

Lab Sample ID: 880-7761-A-21-E MS
Matrix: Solid
Analysis Batch: 11195

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 11222

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	98		70 - 130

Lab Sample ID: 880-7761-A-21-F MSD
Matrix: Solid
Analysis Batch: 11195

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 11222

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 F1 F2	1000	1432	F1 F2	mg/Kg		141	70 - 130	31	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1091		mg/Kg		107	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	109		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-10991/1-A
Matrix: Solid
Analysis Batch: 11013

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			11/01/21 08:45	1

Lab Sample ID: LCS 880-10991/2-A
Matrix: Solid
Analysis Batch: 11013

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	231.4		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-10991/3-A
Matrix: Solid
Analysis Batch: 11013

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	232.9		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 880-7751-A-10-B MS
Matrix: Solid
Analysis Batch: 11013

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	317		250	561.2		mg/Kg		98	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-7751-A-10-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11013

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	317		250	556.1		mg/Kg		96	90 - 110	1	20

Lab Sample ID: MB 880-10941/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11215

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/03/21 12:35	1

Lab Sample ID: LCS 880-10941/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11215

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	257.4		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-10941/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11215

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	258.0		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-7741-9 MS — **Client Sample ID: S-15,1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11215

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	3060		1250	4318		mg/Kg		101	90 - 110		

Lab Sample ID: 880-7741-9 MSD — **Client Sample ID: S-15,1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11215

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3060		1250	4365		mg/Kg		105	90 - 110	1	20

Lab Sample ID: MB 880-11148/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11216

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/04/21 03:07	1

Lab Sample ID: LCSD 880-11148/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11216

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	249.5		mg/Kg					

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-7741-25 MS
Matrix: Solid
Analysis Batch: 11216

Client Sample ID: S-18,5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	76.6	*-	250	314.8		mg/Kg		95	90 - 110

Lab Sample ID: 880-7741-25 MSD
Matrix: Solid
Analysis Batch: 11216

Client Sample ID: S-18,5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	76.6	*-	250	322.9		mg/Kg		99	90 - 110	3	20

Lab Sample ID: MB 880-11446/1-A
Matrix: Solid
Analysis Batch: 11458

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			11/07/21 14:01	1

Lab Sample ID: LCS 880-11446/2-A
Matrix: Solid
Analysis Batch: 11458

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			250	245.1		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-11446/3-A
Matrix: Solid
Analysis Batch: 11458

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	245.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-1518-A-1-F MS
Matrix: Solid
Analysis Batch: 11458

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	52.3	F1	250	331.8	F1	mg/Kg		112	90 - 110

Lab Sample ID: 890-1518-A-1-G MSD
Matrix: Solid
Analysis Batch: 11458

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	52.3	F1	250	332.8	F1	mg/Kg		112	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

GC VOA

Prep Batch: 10920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-1	S-13, 1'	Total/NA	Solid	5035	
880-7741-2	S-13, 3'	Total/NA	Solid	5035	
880-7741-3	S-13, 5'	Total/NA	Solid	5035	
880-7741-4	S-13, 10'	Total/NA	Solid	5035	
880-7741-5	S-14, 1'	Total/NA	Solid	5035	
880-7741-6	S-14,3'	Total/NA	Solid	5035	
880-7741-7	S-14,5'	Total/NA	Solid	5035	
880-7741-8	S-14,10'	Total/NA	Solid	5035	
880-7741-9	S-15,1'	Total/NA	Solid	5035	
880-7741-10	S-15,3'	Total/NA	Solid	5035	
880-7741-11	S-15,5'	Total/NA	Solid	5035	
880-7741-12	S-15,10'	Total/NA	Solid	5035	
880-7741-13	S-15,15'	Total/NA	Solid	5035	
880-7741-14	S-16,1'	Total/NA	Solid	5035	
880-7741-15	S-16,3'	Total/NA	Solid	5035	
880-7741-16	S-16,5'	Total/NA	Solid	5035	
880-7741-17	S-16,10'	Total/NA	Solid	5035	
880-7741-18	S-16,15'	Total/NA	Solid	5035	
880-7741-19	S-17,1'	Total/NA	Solid	5035	
880-7741-20	S-17,3'	Total/NA	Solid	5035	
MB 880-10920/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10920/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10920/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-7741-1 MS	S-13, 1'	Total/NA	Solid	5035	
880-7741-1 MSD	S-13, 1'	Total/NA	Solid	5035	

Prep Batch: 10922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-21	S-17,5'	Total/NA	Solid	5035	
880-7741-22	S-17,10'	Total/NA	Solid	5035	
880-7741-23	S-18,1'	Total/NA	Solid	5035	
880-7741-24	S-18,3'	Total/NA	Solid	5035	
880-7741-25	S-18,5'	Total/NA	Solid	5035	
880-7741-26	S-18,10'	Total/NA	Solid	5035	
880-7741-27	S-19,1'	Total/NA	Solid	5035	
880-7741-28	S-19,3'	Total/NA	Solid	5035	
880-7741-29	S-19,5'	Total/NA	Solid	5035	
880-7741-30	S-19,10'	Total/NA	Solid	5035	
MB 880-10922/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10922/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10922/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-7741-21 MS	S-17,5'	Total/NA	Solid	5035	
880-7741-21 MSD	S-17,5'	Total/NA	Solid	5035	

Analysis Batch: 10933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-1	S-13, 1'	Total/NA	Solid	8021B	10920
880-7741-2	S-13, 3'	Total/NA	Solid	8021B	10920
880-7741-3	S-13, 5'	Total/NA	Solid	8021B	10920
880-7741-4	S-13, 10'	Total/NA	Solid	8021B	10920
880-7741-5	S-14, 1'	Total/NA	Solid	8021B	10920

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

GC VOA (Continued)

Analysis Batch: 10933 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-6	S-14,3'	Total/NA	Solid	8021B	10920
880-7741-7	S-14,5'	Total/NA	Solid	8021B	10920
880-7741-8	S-14,10'	Total/NA	Solid	8021B	10920
880-7741-9	S-15,1'	Total/NA	Solid	8021B	10920
880-7741-10	S-15,3'	Total/NA	Solid	8021B	10920
880-7741-11	S-15,5'	Total/NA	Solid	8021B	10920
880-7741-12	S-15,10'	Total/NA	Solid	8021B	10920
880-7741-13	S-15,15'	Total/NA	Solid	8021B	10920
880-7741-14	S-16,1'	Total/NA	Solid	8021B	10920
880-7741-15	S-16,3'	Total/NA	Solid	8021B	10920
880-7741-16	S-16,5'	Total/NA	Solid	8021B	10920
880-7741-17	S-16,10'	Total/NA	Solid	8021B	10920
880-7741-18	S-16,15'	Total/NA	Solid	8021B	10920
880-7741-19	S-17,1'	Total/NA	Solid	8021B	10920
880-7741-20	S-17,3'	Total/NA	Solid	8021B	10920
MB 880-10920/5-A	Method Blank	Total/NA	Solid	8021B	10920
LCS 880-10920/1-A	Lab Control Sample	Total/NA	Solid	8021B	10920
LCSD 880-10920/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10920
880-7741-1 MS	S-13, 1'	Total/NA	Solid	8021B	10920
880-7741-1 MSD	S-13, 1'	Total/NA	Solid	8021B	10920

Analysis Batch: 10983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-21	S-17,5'	Total/NA	Solid	8021B	10922
880-7741-22	S-17,10'	Total/NA	Solid	8021B	10922
880-7741-23	S-18,1'	Total/NA	Solid	8021B	10922
880-7741-24	S-18,3'	Total/NA	Solid	8021B	10922
880-7741-25	S-18,5'	Total/NA	Solid	8021B	10922
880-7741-26	S-18,10'	Total/NA	Solid	8021B	10922
880-7741-27	S-19,1'	Total/NA	Solid	8021B	10922
880-7741-28	S-19,3'	Total/NA	Solid	8021B	10922
880-7741-29	S-19,5'	Total/NA	Solid	8021B	10922
880-7741-30	S-19,10'	Total/NA	Solid	8021B	10922
MB 880-10922/5-A	Method Blank	Total/NA	Solid	8021B	10922
LCS 880-10922/1-A	Lab Control Sample	Total/NA	Solid	8021B	10922
LCSD 880-10922/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10922
880-7741-21 MS	S-17,5'	Total/NA	Solid	8021B	10922
880-7741-21 MSD	S-17,5'	Total/NA	Solid	8021B	10922

Analysis Batch: 11135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-1	S-13, 1'	Total/NA	Solid	Total BTEX	
880-7741-2	S-13, 3'	Total/NA	Solid	Total BTEX	
880-7741-3	S-13, 5'	Total/NA	Solid	Total BTEX	
880-7741-4	S-13, 10'	Total/NA	Solid	Total BTEX	
880-7741-5	S-14, 1'	Total/NA	Solid	Total BTEX	
880-7741-6	S-14,3'	Total/NA	Solid	Total BTEX	
880-7741-7	S-14,5'	Total/NA	Solid	Total BTEX	
880-7741-8	S-14,10'	Total/NA	Solid	Total BTEX	
880-7741-9	S-15,1'	Total/NA	Solid	Total BTEX	
880-7741-10	S-15,3'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

GC VOA (Continued)

Analysis Batch: 11135 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-11	S-15,5'	Total/NA	Solid	Total BTEX	
880-7741-12	S-15,10'	Total/NA	Solid	Total BTEX	
880-7741-13	S-15,15'	Total/NA	Solid	Total BTEX	
880-7741-14	S-16,1'	Total/NA	Solid	Total BTEX	
880-7741-15	S-16,3'	Total/NA	Solid	Total BTEX	
880-7741-16	S-16,5'	Total/NA	Solid	Total BTEX	
880-7741-17	S-16,10'	Total/NA	Solid	Total BTEX	
880-7741-18	S-16,15'	Total/NA	Solid	Total BTEX	
880-7741-19	S-17,1'	Total/NA	Solid	Total BTEX	
880-7741-20	S-17,3'	Total/NA	Solid	Total BTEX	

Analysis Batch: 11149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-21	S-17,5'	Total/NA	Solid	Total BTEX	
880-7741-22	S-17,10'	Total/NA	Solid	Total BTEX	
880-7741-23	S-18,1'	Total/NA	Solid	Total BTEX	
880-7741-24	S-18,3'	Total/NA	Solid	Total BTEX	
880-7741-25	S-18,5'	Total/NA	Solid	Total BTEX	
880-7741-26	S-18,10'	Total/NA	Solid	Total BTEX	
880-7741-27	S-19,1'	Total/NA	Solid	Total BTEX	
880-7741-28	S-19,3'	Total/NA	Solid	Total BTEX	
880-7741-29	S-19,5'	Total/NA	Solid	Total BTEX	
880-7741-30	S-19,10'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 11158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-21	S-17,5'	Total/NA	Solid	8015NM Prep	
880-7741-22	S-17,10'	Total/NA	Solid	8015NM Prep	
880-7741-23	S-18,1'	Total/NA	Solid	8015NM Prep	
880-7741-24	S-18,3'	Total/NA	Solid	8015NM Prep	
880-7741-25	S-18,5'	Total/NA	Solid	8015NM Prep	
880-7741-26	S-18,10'	Total/NA	Solid	8015NM Prep	
880-7741-27	S-19,1'	Total/NA	Solid	8015NM Prep	
880-7741-28	S-19,3'	Total/NA	Solid	8015NM Prep	
880-7741-29	S-19,5'	Total/NA	Solid	8015NM Prep	
MB 880-11158/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-11158/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-11158/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1495-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1495-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 11166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-1	S-13, 1'	Total/NA	Solid	8015NM Prep	
880-7741-2	S-13, 3'	Total/NA	Solid	8015NM Prep	
880-7741-3	S-13, 5'	Total/NA	Solid	8015NM Prep	
880-7741-4	S-13, 10'	Total/NA	Solid	8015NM Prep	
880-7741-5	S-14, 1'	Total/NA	Solid	8015NM Prep	
880-7741-6	S-14,3'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

GC Semi VOA (Continued)

Prep Batch: 11166 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-7	S-14,5'	Total/NA	Solid	8015NM Prep	
880-7741-8	S-14,10'	Total/NA	Solid	8015NM Prep	
880-7741-9	S-15,1'	Total/NA	Solid	8015NM Prep	
880-7741-10	S-15,3'	Total/NA	Solid	8015NM Prep	
880-7741-11	S-15,5'	Total/NA	Solid	8015NM Prep	
880-7741-12	S-15,10'	Total/NA	Solid	8015NM Prep	
880-7741-13	S-15,15'	Total/NA	Solid	8015NM Prep	
880-7741-14	S-16,1'	Total/NA	Solid	8015NM Prep	
880-7741-15	S-16,3'	Total/NA	Solid	8015NM Prep	
880-7741-16	S-16,5'	Total/NA	Solid	8015NM Prep	
880-7741-17	S-16,10'	Total/NA	Solid	8015NM Prep	
880-7741-18	S-16,15'	Total/NA	Solid	8015NM Prep	
880-7741-19	S-17,1'	Total/NA	Solid	8015NM Prep	
880-7741-20	S-17,3'	Total/NA	Solid	8015NM Prep	
MB 880-11166/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-11166/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-11166/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-7741-1 MS	S-13, 1'	Total/NA	Solid	8015NM Prep	
880-7741-1 MSD	S-13, 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 11193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-1	S-13, 1'	Total/NA	Solid	8015B NM	11166
880-7741-2	S-13, 3'	Total/NA	Solid	8015B NM	11166
880-7741-3	S-13, 5'	Total/NA	Solid	8015B NM	11166
880-7741-4	S-13, 10'	Total/NA	Solid	8015B NM	11166
880-7741-5	S-14, 1'	Total/NA	Solid	8015B NM	11166
880-7741-6	S-14,3'	Total/NA	Solid	8015B NM	11166
880-7741-7	S-14,5'	Total/NA	Solid	8015B NM	11166
880-7741-8	S-14,10'	Total/NA	Solid	8015B NM	11166
880-7741-9	S-15,1'	Total/NA	Solid	8015B NM	11166
880-7741-10	S-15,3'	Total/NA	Solid	8015B NM	11166
880-7741-11	S-15,5'	Total/NA	Solid	8015B NM	11166
880-7741-12	S-15,10'	Total/NA	Solid	8015B NM	11166
880-7741-13	S-15,15'	Total/NA	Solid	8015B NM	11166
880-7741-14	S-16,1'	Total/NA	Solid	8015B NM	11166
880-7741-15	S-16,3'	Total/NA	Solid	8015B NM	11166
880-7741-16	S-16,5'	Total/NA	Solid	8015B NM	11166
880-7741-17	S-16,10'	Total/NA	Solid	8015B NM	11166
880-7741-18	S-16,15'	Total/NA	Solid	8015B NM	11166
880-7741-19	S-17,1'	Total/NA	Solid	8015B NM	11166
880-7741-20	S-17,3'	Total/NA	Solid	8015B NM	11166
880-7741-21	S-17,5'	Total/NA	Solid	8015B NM	11158
880-7741-22	S-17,10'	Total/NA	Solid	8015B NM	11158
880-7741-23	S-18,1'	Total/NA	Solid	8015B NM	11158
880-7741-24	S-18,3'	Total/NA	Solid	8015B NM	11158
880-7741-25	S-18,5'	Total/NA	Solid	8015B NM	11158
880-7741-26	S-18,10'	Total/NA	Solid	8015B NM	11158
880-7741-27	S-19,1'	Total/NA	Solid	8015B NM	11158
880-7741-28	S-19,3'	Total/NA	Solid	8015B NM	11158
880-7741-29	S-19,5'	Total/NA	Solid	8015B NM	11158

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

GC Semi VOA (Continued)

Analysis Batch: 11193 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-11158/1-A	Method Blank	Total/NA	Solid	8015B NM	11158
MB 880-11166/1-A	Method Blank	Total/NA	Solid	8015B NM	11166
LCS 880-11158/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	11158
LCS 880-11166/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	11166
LCSD 880-11158/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	11158
LCSD 880-11166/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	11166
880-7741-1 MS	S-13, 1'	Total/NA	Solid	8015B NM	11166
880-7741-1 MSD	S-13, 1'	Total/NA	Solid	8015B NM	11166
890-1495-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	11158
890-1495-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	11158

Analysis Batch: 11195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-30	S-19,10'	Total/NA	Solid	8015B NM	11222
MB 880-11222/1-A	Method Blank	Total/NA	Solid	8015B NM	11222
LCS 880-11222/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	11222
LCSD 880-11222/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	11222
880-7761-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	11222
880-7761-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	11222

Prep Batch: 11222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-30	S-19,10'	Total/NA	Solid	8015NM Prep	
MB 880-11222/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-11222/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-11222/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-7761-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-7761-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 11344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-1	S-13, 1'	Total/NA	Solid	8015 NM	
880-7741-2	S-13, 3'	Total/NA	Solid	8015 NM	
880-7741-3	S-13, 5'	Total/NA	Solid	8015 NM	
880-7741-4	S-13, 10'	Total/NA	Solid	8015 NM	
880-7741-5	S-14, 1'	Total/NA	Solid	8015 NM	
880-7741-6	S-14,3'	Total/NA	Solid	8015 NM	
880-7741-7	S-14,5'	Total/NA	Solid	8015 NM	
880-7741-8	S-14,10'	Total/NA	Solid	8015 NM	
880-7741-9	S-15,1'	Total/NA	Solid	8015 NM	
880-7741-10	S-15,3'	Total/NA	Solid	8015 NM	
880-7741-11	S-15,5'	Total/NA	Solid	8015 NM	
880-7741-12	S-15,10'	Total/NA	Solid	8015 NM	
880-7741-13	S-15,15'	Total/NA	Solid	8015 NM	
880-7741-14	S-16,1'	Total/NA	Solid	8015 NM	
880-7741-15	S-16,3'	Total/NA	Solid	8015 NM	
880-7741-16	S-16,5'	Total/NA	Solid	8015 NM	
880-7741-17	S-16,10'	Total/NA	Solid	8015 NM	
880-7741-18	S-16,15'	Total/NA	Solid	8015 NM	
880-7741-19	S-17,1'	Total/NA	Solid	8015 NM	
880-7741-20	S-17,3'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
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GC Semi VOA (Continued)

Analysis Batch: 11344 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-21	S-17,5'	Total/NA	Solid	8015 NM	
880-7741-22	S-17,10'	Total/NA	Solid	8015 NM	
880-7741-23	S-18,1'	Total/NA	Solid	8015 NM	
880-7741-24	S-18,3'	Total/NA	Solid	8015 NM	
880-7741-25	S-18,5'	Total/NA	Solid	8015 NM	
880-7741-26	S-18,10'	Total/NA	Solid	8015 NM	
880-7741-27	S-19,1'	Total/NA	Solid	8015 NM	
880-7741-28	S-19,3'	Total/NA	Solid	8015 NM	
880-7741-29	S-19,5'	Total/NA	Solid	8015 NM	
880-7741-30	S-19,10'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 10941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-1	S-13, 1'	Soluble	Solid	DI Leach	
880-7741-2	S-13, 3'	Soluble	Solid	DI Leach	
880-7741-3	S-13, 5'	Soluble	Solid	DI Leach	
880-7741-4	S-13, 10'	Soluble	Solid	DI Leach	
880-7741-5	S-14, 1'	Soluble	Solid	DI Leach	
880-7741-6	S-14,3'	Soluble	Solid	DI Leach	
880-7741-7	S-14,5'	Soluble	Solid	DI Leach	
880-7741-8	S-14,10'	Soluble	Solid	DI Leach	
880-7741-9	S-15,1'	Soluble	Solid	DI Leach	
880-7741-10	S-15,3'	Soluble	Solid	DI Leach	
880-7741-11	S-15,5'	Soluble	Solid	DI Leach	
880-7741-12	S-15,10'	Soluble	Solid	DI Leach	
880-7741-13	S-15,15'	Soluble	Solid	DI Leach	
880-7741-14	S-16,1'	Soluble	Solid	DI Leach	
880-7741-15	S-16,3'	Soluble	Solid	DI Leach	
880-7741-17	S-16,10'	Soluble	Solid	DI Leach	
880-7741-18	S-16,15'	Soluble	Solid	DI Leach	
MB 880-10941/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-10941/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-10941/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7741-9 MS	S-15,1'	Soluble	Solid	DI Leach	
880-7741-9 MSD	S-15,1'	Soluble	Solid	DI Leach	

Leach Batch: 10991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-19	S-17,1'	Soluble	Solid	DI Leach	
880-7741-20	S-17,3'	Soluble	Solid	DI Leach	
880-7741-21	S-17,5'	Soluble	Solid	DI Leach	
880-7741-22	S-17,10'	Soluble	Solid	DI Leach	
880-7741-23	S-18,1'	Soluble	Solid	DI Leach	
880-7741-24	S-18,3'	Soluble	Solid	DI Leach	
MB 880-10991/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-10991/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-10991/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7751-A-10-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-7751-A-10-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

HPLC/IC

Analysis Batch: 11013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-19	S-17,1'	Soluble	Solid	300.0	10991
880-7741-20	S-17,3'	Soluble	Solid	300.0	10991
880-7741-21	S-17,5'	Soluble	Solid	300.0	10991
880-7741-22	S-17,10'	Soluble	Solid	300.0	10991
880-7741-23	S-18,1'	Soluble	Solid	300.0	10991
880-7741-24	S-18,3'	Soluble	Solid	300.0	10991
MB 880-10991/1-A	Method Blank	Soluble	Solid	300.0	10991
LCS 880-10991/2-A	Lab Control Sample	Soluble	Solid	300.0	10991
LCSD 880-10991/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10991
880-7751-A-10-B MS	Matrix Spike	Soluble	Solid	300.0	10991
880-7751-A-10-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	10991

Leach Batch: 11148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-25	S-18,5'	Soluble	Solid	DI Leach	
880-7741-26	S-18,10'	Soluble	Solid	DI Leach	
880-7741-27	S-19,1'	Soluble	Solid	DI Leach	
880-7741-28	S-19,3'	Soluble	Solid	DI Leach	
880-7741-29	S-19,5'	Soluble	Solid	DI Leach	
880-7741-30	S-19,10'	Soluble	Solid	DI Leach	
MB 880-11148/1-A	Method Blank	Soluble	Solid	DI Leach	
LCSD 880-11148/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7741-25 MS	S-18,5'	Soluble	Solid	DI Leach	
880-7741-25 MSD	S-18,5'	Soluble	Solid	DI Leach	

Analysis Batch: 11215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-1	S-13, 1'	Soluble	Solid	300.0	10941
880-7741-2	S-13, 3'	Soluble	Solid	300.0	10941
880-7741-3	S-13, 5'	Soluble	Solid	300.0	10941
880-7741-4	S-13, 10'	Soluble	Solid	300.0	10941
880-7741-5	S-14, 1'	Soluble	Solid	300.0	10941
880-7741-6	S-14,3'	Soluble	Solid	300.0	10941
880-7741-7	S-14,5'	Soluble	Solid	300.0	10941
880-7741-8	S-14,10'	Soluble	Solid	300.0	10941
880-7741-9	S-15,1'	Soluble	Solid	300.0	10941
880-7741-10	S-15,3'	Soluble	Solid	300.0	10941
880-7741-11	S-15,5'	Soluble	Solid	300.0	10941
880-7741-12	S-15,10'	Soluble	Solid	300.0	10941
880-7741-13	S-15,15'	Soluble	Solid	300.0	10941
880-7741-14	S-16,1'	Soluble	Solid	300.0	10941
880-7741-15	S-16,3'	Soluble	Solid	300.0	10941
880-7741-17	S-16,10'	Soluble	Solid	300.0	10941
880-7741-18	S-16,15'	Soluble	Solid	300.0	10941
MB 880-10941/1-A	Method Blank	Soluble	Solid	300.0	10941
LCS 880-10941/2-A	Lab Control Sample	Soluble	Solid	300.0	10941
LCSD 880-10941/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10941
880-7741-9 MS	S-15,1'	Soluble	Solid	300.0	10941
880-7741-9 MSD	S-15,1'	Soluble	Solid	300.0	10941

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

HPLC/IC

Analysis Batch: 11216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-25	S-18,5'	Soluble	Solid	300.0	11148
880-7741-26	S-18,10'	Soluble	Solid	300.0	11148
880-7741-27	S-19,1'	Soluble	Solid	300.0	11148
880-7741-28	S-19,3'	Soluble	Solid	300.0	11148
880-7741-29	S-19,5'	Soluble	Solid	300.0	11148
880-7741-30	S-19,10'	Soluble	Solid	300.0	11148
MB 880-11148/1-A	Method Blank	Soluble	Solid	300.0	11148
LCSD 880-11148/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	11148
880-7741-25 MS	S-18,5'	Soluble	Solid	300.0	11148
880-7741-25 MSD	S-18,5'	Soluble	Solid	300.0	11148

Leach Batch: 11446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-16	S-16,5'	Soluble	Solid	DI Leach	
MB 880-11446/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-11446/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-11446/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1518-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1518-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 11458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7741-16	S-16,5'	Soluble	Solid	300.0	11446
MB 880-11446/1-A	Method Blank	Soluble	Solid	300.0	11446
LCS 880-11446/2-A	Lab Control Sample	Soluble	Solid	300.0	11446
LCSD 880-11446/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	11446
890-1518-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	11446
890-1518-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	11446

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-13, 1'

Date Collected: 10/27/21 13:40
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 16:22	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 11:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 13:16	CH	XEN MID

Client Sample ID: S-13, 3'

Date Collected: 10/27/21 13:41
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 16:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 13:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 13:22	CH	XEN MID

Client Sample ID: S-13, 5'

Date Collected: 10/27/21 13:42
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 17:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 13:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 13:28	CH	XEN MID

Client Sample ID: S-13, 10'

Date Collected: 10/27/21 13:43
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 17:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-13, 10'

Date Collected: 10/27/21 13:43
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-4
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			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 13:45	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 14:50	CH	XEN MID

Client Sample ID: S-14, 1'

Date Collected: 10/27/21 14:11
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-5
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			5.02 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 17:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 14:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 14:56	CH	XEN MID

Client Sample ID: S-14,3'

Date Collected: 10/27/21 14:12
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 18:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 14:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 15:02	CH	XEN MID

Client Sample ID: S-14,5'

Date Collected: 10/27/21 14:13
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 18:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 14:50	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-14,5'

Date Collected: 10/27/21 14:13
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 15:08	CH	XEN MID

Client Sample ID: S-14,10'

Date Collected: 10/27/21 14:14
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 18:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 15:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 15:13	CH	XEN MID

Client Sample ID: S-15,1'

Date Collected: 10/27/21 14:41
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 19:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 15:34	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		5			11215	11/03/21 15:19	CH	XEN MID

Client Sample ID: S-15,3'

Date Collected: 10/27/21 14:42
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 19:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 15:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		5			11215	11/03/21 15:37	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-15,5'

Date Collected: 10/27/21 14:43
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-11
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	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 20:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 16:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		5			11215	11/03/21 15:43	CH	XEN MID

Client Sample ID: S-15,10'

Date Collected: 10/27/21 14:44
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 21:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 17:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		5			11215	11/03/21 16:00	CH	XEN MID

Client Sample ID: S-15,15'

Date Collected: 10/28/21 08:20
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 21:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 17:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 16:06	CH	XEN MID

Client Sample ID: S-16,1'

Date Collected: 10/28/21 08:50
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 21:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-16,1'

Date Collected: 10/28/21 08:50
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 17:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 17:28	CH	XEN MID

Client Sample ID: S-16,3'

Date Collected: 10/28/21 08:51
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 22:14	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 18:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 16:18	CH	XEN MID

Client Sample ID: S-16,5'

Date Collected: 10/28/21 08:52
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 22:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 18:28	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	11446	11/06/21 16:00	SC	XEN MID
Soluble	Analysis	300.0		5			11458	11/07/21 16:48	CH	XEN MID

Client Sample ID: S-16,10'

Date Collected: 10/28/21 08:53
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 22:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 18:50	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-16,10'

Date Collected: 10/28/21 08:53
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 16:30	CH	XEN MID

Client Sample ID: S-16,15'

Date Collected: 10/28/21 10:50
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 23:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 19:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 16:36	CH	XEN MID

Client Sample ID: S-17,1'

Date Collected: 10/28/21 09:15
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 23:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 19:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10991	10/29/21 16:52	SC	XEN MID
Soluble	Analysis	300.0		1			11013	11/01/21 11:22	CH	XEN MID

Client Sample ID: S-17,3'

Date Collected: 10/28/21 09:16
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	10920	10/29/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10933	10/29/21 23:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11135	11/01/21 13:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	11166	11/01/21 15:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 19:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	10991	10/29/21 16:52	SC	XEN MID
Soluble	Analysis	300.0		1			11013	11/01/21 11:27	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-17,5'

Date Collected: 10/28/21 09:17
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10922	10/29/21 11:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10983	11/01/21 14:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 14:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	11158	11/01/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/02/21 23:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10991	10/29/21 16:52	SC	XEN MID
Soluble	Analysis	300.0		1			11013	11/01/21 11:33	CH	XEN MID

Client Sample ID: S-17,10'

Date Collected: 10/28/21 09:18
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	10922	10/29/21 11:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10983	11/01/21 14:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 14:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 12:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	11158	11/01/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/03/21 00:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	10991	10/29/21 16:52	SC	XEN MID
Soluble	Analysis	300.0		1			11013	11/01/21 11:39	CH	XEN MID

Client Sample ID: S-18,1'

Date Collected: 10/28/21 10:10
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	10922	10/29/21 11:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10983	11/01/21 15:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 14:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 08:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	11158	11/01/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/03/21 00:44	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	10991	10/29/21 16:52	SC	XEN MID
Soluble	Analysis	300.0		1			11013	11/01/21 11:45	CH	XEN MID

Client Sample ID: S-18,3'

Date Collected: 10/28/21 10:11
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	10922	10/29/21 11:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10983	11/01/21 15:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/03/21 12:38	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-18,3'

Date Collected: 10/28/21 10:11
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			11344	11/03/21 12:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	11158	11/01/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/03/21 01:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	10991	10/29/21 16:52	SC	XEN MID
Soluble	Analysis	300.0		1			11013	11/01/21 11:51	CH	XEN MID

Client Sample ID: S-18,5'

Date Collected: 10/28/21 10:12
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10922	10/29/21 11:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10983	11/01/21 15:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/03/21 12:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 12:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	11158	11/01/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/03/21 01:28	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	11148	11/01/21 13:41	CA	XEN MID
Soluble	Analysis	300.0		1			11216	11/04/21 11:23	CH	XEN MID

Client Sample ID: S-18,10'

Date Collected: 10/28/21 10:13
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	10922	10/29/21 11:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10983	11/01/21 16:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/03/21 12:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 12:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11158	11/01/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/03/21 01:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	11148	11/01/21 13:41	CA	XEN MID
Soluble	Analysis	300.0		1			11216	11/04/21 03:45	CH	XEN MID

Client Sample ID: S-19,1'

Date Collected: 10/28/21 09:50
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	10922	10/29/21 11:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10983	11/01/21 16:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/03/21 12:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 12:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11158	11/01/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/03/21 02:36	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Client Sample ID: S-19,1'

Date Collected: 10/28/21 09:50
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	11148	11/01/21 13:41	CA	XEN MID
Soluble	Analysis	300.0		1			11216	11/04/21 03:52	CH	XEN MID

Client Sample ID: S-19,3'

Date Collected: 10/28/21 09:51
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	10922	10/29/21 11:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10983	11/01/21 16:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/03/21 12:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 12:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11158	11/01/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/03/21 02:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	11148	11/01/21 13:41	CA	XEN MID
Soluble	Analysis	300.0		1			11216	11/04/21 03:59	CH	XEN MID

Client Sample ID: S-19,5'

Date Collected: 10/28/21 09:52
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	10922	10/29/21 11:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10983	11/01/21 17:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/03/21 12:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 12:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11158	11/01/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11193	11/03/21 03:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	11148	11/01/21 13:41	CA	XEN MID
Soluble	Analysis	300.0		1			11216	11/04/21 04:06	CH	XEN MID

Client Sample ID: S-19,10'

Date Collected: 10/29/21 09:53
Date Received: 10/29/21 10:10

Lab Sample ID: 880-7741-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10922	10/29/21 11:05	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10983	11/01/21 17:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/03/21 12:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 12:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11222	11/02/21 11:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11195	11/03/21 02:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	11148	11/01/21 13:41	CA	XEN MID
Soluble	Analysis	300.0		1			11216	11/04/21 04:28	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-7741-1
SDG: 20-0107-08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-7741-1	S-13, 1'	Solid	10/27/21 13:40	10/29/21 10:10
880-7741-2	S-13, 3'	Solid	10/27/21 13:41	10/29/21 10:10
880-7741-3	S-13, 5'	Solid	10/27/21 13:42	10/29/21 10:10
880-7741-4	S-13, 10'	Solid	10/27/21 13:43	10/29/21 10:10
880-7741-5	S-14, 1'	Solid	10/27/21 14:11	10/29/21 10:10
880-7741-6	S-14,3'	Solid	10/27/21 14:12	10/29/21 10:10
880-7741-7	S-14,5'	Solid	10/27/21 14:13	10/29/21 10:10
880-7741-8	S-14,10'	Solid	10/27/21 14:14	10/29/21 10:10
880-7741-9	S-15,1'	Solid	10/27/21 14:41	10/29/21 10:10
880-7741-10	S-15,3'	Solid	10/27/21 14:42	10/29/21 10:10
880-7741-11	S-15,5'	Solid	10/27/21 14:43	10/29/21 10:10
880-7741-12	S-15,10'	Solid	10/27/21 14:44	10/29/21 10:10
880-7741-13	S-15,15'	Solid	10/28/21 08:20	10/29/21 10:10
880-7741-14	S-16,1'	Solid	10/28/21 08:50	10/29/21 10:10
880-7741-15	S-16,3'	Solid	10/28/21 08:51	10/29/21 10:10
880-7741-16	S-16,5'	Solid	10/28/21 08:52	10/29/21 10:10
880-7741-17	S-16,10'	Solid	10/28/21 08:53	10/29/21 10:10
880-7741-18	S-16,15'	Solid	10/28/21 10:50	10/29/21 10:10
880-7741-19	S-17,1'	Solid	10/28/21 09:15	10/29/21 10:10
880-7741-20	S-17,3'	Solid	10/28/21 09:16	10/29/21 10:10
880-7741-21	S-17,5'	Solid	10/28/21 09:17	10/29/21 10:10
880-7741-22	S-17,10'	Solid	10/28/21 09:18	10/29/21 10:10
880-7741-23	S-18,1'	Solid	10/28/21 10:10	10/29/21 10:10
880-7741-24	S-18,3'	Solid	10/28/21 10:11	10/29/21 10:10
880-7741-25	S-18,5'	Solid	10/28/21 10:12	10/29/21 10:10
880-7741-26	S-18,10'	Solid	10/28/21 10:13	10/29/21 10:10
880-7741-27	S-19,1'	Solid	10/28/21 09:50	10/29/21 10:10
880-7741-28	S-19,3'	Solid	10/28/21 09:51	10/29/21 10:10
880-7741-29	S-19,5'	Solid	10/28/21 09:52	10/29/21 10:10
880-7741-30	S-19,10'	Solid	10/29/21 09:53	10/29/21 10:10

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No. 2222

7741

CHAIN-OF-CUSTODY

880-7741 Chain of Custody

11/8/2021

Larson & Associates, Inc.
Environmental Consultants
Midland TX 79701
432 687 0901

Data Reported to

DATE 10/29/2021 PAGE 1 OF 3

PO# LAB WORK ORDER#

PROJECT LOCATION OR NAME Salado 29 26 33

LAI PROJECT # 20-0107-08 COLLECTOR MB & DSG

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State
MST / NM

PRESERVATION

ANALYSES

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
~~S-B 0.5~~		~~10/29/21~~	1339	S	1				X		X		X	X	X												X		
S-13, 1'			1340																										
S-13, 3'			1341																										
S-13, 5'			1342																										
S-13, 10'			1343																										
S-14, 1'			1410																										
S-14, 3'			1412																										
S-14, 5'			1413																										
S-14, 10'			1419																										
S-15, 1'			1441																										
S-15, 3'			1442																										
S-15, 5'			1443																										
S-15, 10'			1444																										
S-15, 15'		10/29/21	0820																										
S-16, 1'			0850																										
TOTAL																													

FIELD NOTES

RELINQUISHED BY (Signature) DATE/TIME 10/29/21 1010 RECEIVED BY (Signature)

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

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

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP -2/-2.0 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

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Received by OCD: 10/31/2023 7:32:27 AM

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No. 2223

CHAIN-OF-CUSTODY

11/8/2021

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

Data Reported to

DATE 10/29/2021 PAGE 2 OF 3

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME Salado 29 26 33

LAI PROJECT # 20-0102-08 COLLECTOR MB+DSG

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State
MST NM

PRESERVATION: HCl, HNO_3, H_2SO_4 ⌋ NaOH, ICE, UNPRESSERVED

ANALYSES: BTEX ⌋ MTBE ⌋ TRPH 418.1 ⌋ TPH 1005 ⌋ TPH 1006 ⌋ GASOLINE MOD 8015 ⌋ DIESEL MOD 8015 ⌋ OIL - MOD 8015 ⌋ VOC 8260 ⌋ SVOC 8270 ⌋ PAH 8270 ⌋ HOLDPAH ⌋ 8081 PESTICIDES ⌋ 8151 HERBICIDES ⌋ 8082 PCBS ⌋ TCLP - METALS (RCRA) ⌋ TCLP VOC ⌋ TCLP - PEST ⌋ HERB ⌋ Semi-VOC ⌋ TOTAL METALS (RCRA) ⌋ OTHER LIST ⌋ LEAD - TOTAL ⌋ D W 200 8 ⌋ TCLP ⌋ RCI ⌋ TOX ⌋ FLASHPOINT ⌋ TDS ⌋ TSS ⌋ % MOISTURE ⌋ CYANIDE ⌋ pH ⌋ HEXAVALENT CHROMIUM ⌋ EXPLOSIVES ⌋ PECHLORATE ⌋ CHLORIDE ⌋ ANIONS ⌋ ALKALINITY ⌋

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ⌋ NaOH	ICE	UNPRESSERVED	BTEX	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-16, 3'		10/25/21	0851	S	1				X		X			X	X	X																																	
S-16, 5'			0852																																														
S-16, 10'			0853																																													
S-16, 15'			1050																																													
S-17, 1'			0915																																													
S-17, 3'			0916																																													
S-17, 5'			0917																																													
S-17, 10'			0918																																													
S-18, 1'			1010																																													
S-18, 3'			1011																																													
S-18, 5'			1012																																													
S-18, 10'			1013																																													
S-19, 1'			0950																																													
S-19, 3'			0951																																													
S-19, 5'			0952																																													
TOTAL																																															

RELINQUISHED BY (Signature) DATE/TIME 10/29/21 1010 RECEIVED BY (Signature)

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

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

LABORATORY Xenco

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

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

Page 62 of 64

Received by OCD: 10/31/2023 7:32:27 AM

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No. 2224

CHAIN-OF-CUSTODY

11/8/2021

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

Data Reported to

DATE 10/29/2021 PAGE 3 OF 3

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME Salado 29 26 33

LAI PROJECT # 20-0107-08 COLLECTOR MB & DSG

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State
MST/NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D W 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	CYANIDE ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
S-19, 10'		10/29/21	0953	S	1				X		X		X	X	X																										X				
TOTAL																																													

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
[signature]	10/29/21 1010	[signature]
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY
RECEIVING TEMP -2 1 -2 7 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

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Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-7741-1
SDG Number: 20-0107-08

Login Number: 7741
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Xenco, 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 29 26 33

Project Number: 20-0107-08

Location: New Mexico

Lab Order Number: 3D10003

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 04/13/23

Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-66 @ 4.1'	3D10003-01	Soil	04/04/23 10:00	04-10-2023 09:43
C-27 @ 4.1'	3D10003-02	Soil	04/04/23 10:30	04-10-2023 09:43
SW-1 @ 0-2'	3D10003-03	Soil	04/04/23 11:20	04-10-2023 09:43
C-60 @ 0-4.1'	3D10003-04	Soil	04/05/23 11:25	04-10-2023 09:43
C-61 @ 0-4.1'	3D10003-05	Soil	04/05/23 11:40	04-10-2023 09:43
SW-11 @ 0-4.1'	3D10003-06	Soil	04/05/23 12:00	04-10-2023 09:43
SW-12 @ 0-4.1'	3D10003-07	Soil	04/05/23 13:00	04-10-2023 09:43
C-67 @ 4.1'	3D10003-08	Soil	04/06/23 10:00	04-10-2023 09:43
SW-8B @ 4.1'	3D10003-09	Soil	04/06/23 11:00	04-10-2023 09:43
SW-6 @ 0-4.1'	3D10003-10	Soil	04/06/23 11:15	04-10-2023 09:43
SW-9B @ 4.1'	3D10003-11	Soil	04/06/23 11:40	04-10-2023 09:43
C-73 @ 4.1'	3D10003-12	Soil	04/06/23 12:00	04-10-2023 09:43
C-74 @ 4.1'	3D10003-13	Soil	04/06/23 12:20	04-10-2023 09:43

Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-66 @ 4.1'

3D10003-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 15:19	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 15:19	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 15:19	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 15:19	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 15:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*129 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 15:19*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*87.3 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 15:19*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 17:33	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 17:33	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 17:33	TPH 8015M	
Surrogate: 1-Chlorooctane		*87.4 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 17:33*	*TPH 8015M*	
Surrogate: o-Terphenyl		*100 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 17:33*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 17:33	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**349**	1.02	mg/kg dry	1	P3D1008	04/10/23 15:00	04/10/23 22:00	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-27 @ 4.1'

3D10003-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00116	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 15:40	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 15:40	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 15:40	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 15:40	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 15:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*130 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 15:40*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*87.7 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 15:40*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.1	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 17:59	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 17:59	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 17:59	TPH 8015M	
Surrogate: 1-Chlorooctane		*71.3 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 17:59*	*TPH 8015M*	
Surrogate: o-Terphenyl		*82.0 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 17:59*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 17:59	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**265**	1.16	mg/kg dry	1	P3D1008	04/10/23 15:00	04/10/23 23:02	EPA 300.0	
% Moisture	**14.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

SW-1 @ 0-2'

3D10003-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:00	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:00	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:00	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:00	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*125 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 16:00*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*85.6 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 16:00*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 18:24	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 18:24	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 18:24	TPH 8015M	
Surrogate: 1-Chlorooctane		*85.7 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 18:24*	*TPH 8015M*	
Surrogate: o-Terphenyl		*98.4 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 18:24*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 18:24	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**46.1**	1.02	mg/kg dry	1	P3D1008	04/10/23 15:00	04/10/23 23:22	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-60 @ 0-4.1'

3D10003-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:21	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:21	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:21	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:21	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*85.9 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 16:21*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*125 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 16:21*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 18:50	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 18:50	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 18:50	TPH 8015M	
Surrogate: 1-Chlorooctane		*90.1 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 18:50*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 18:50*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 18:50	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**57.3**	1.09	mg/kg dry	1	P3D1008	04/10/23 15:00	04/10/23 23:43	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-61 @ 0-4.1'

3D10003-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00116	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:42	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:42	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:42	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:42	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 16:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*127 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 16:42*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*85.6 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 16:42*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.1	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 19:15	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 19:15	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 19:15	TPH 8015M	
Surrogate: 1-Chlorooctane		*88.0 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 19:15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*98.9 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 19:15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 19:15	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1290**	1.16	mg/kg dry	1	P3D1008	04/10/23 15:00	04/11/23 00:04	EPA 300.0	
% Moisture	**14.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

SW-11 @ 0-4.1'

3D10003-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:02	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:02	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:02	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:02	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*86.5 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 17:02*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*129 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 17:02*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 19:39	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 19:39	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 19:39	TPH 8015M	
Surrogate: 1-Chlorooctane		*86.8 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 19:39*	*TPH 8015M*	
Surrogate: o-Terphenyl		*98.0 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 19:39*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 19:39	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**239**	1.08	mg/kg dry	1	P3D1008	04/10/23 15:00	04/11/23 00:24	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

SW-12 @ 0-4.1'

3D10003-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:23	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:23	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:23	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:23	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*83.6 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 17:23*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*123 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 17:23*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 20:04	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 20:04	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 20:04	TPH 8015M	
Surrogate: 1-Chlorooctane		*86.7 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 20:04*	*TPH 8015M*	
Surrogate: o-Terphenyl		*98.5 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 20:04*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 20:04	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**11.4**	1.03	mg/kg dry	1	P3D1008	04/10/23 15:00	04/11/23 00:45	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-67 @ 4.1'

3D10003-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:43	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:43	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:43	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:43	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 17:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*85.0 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 17:43*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*129 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 17:43*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 20:29	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 20:29	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 20:29	TPH 8015M	
Surrogate: 1-Chlorooctane		*88.0 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 20:29*	*TPH 8015M*	
Surrogate: o-Terphenyl		*97.6 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 20:29*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 20:29	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1050**	1.06	mg/kg dry	1	P3D1008	04/10/23 15:00	04/11/23 01:05	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

SW-8B @ 4.1'

3D10003-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00118	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 18:45	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 18:45	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 18:45	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 18:45	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 18:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*84.8 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 18:45*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*129 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 18:45*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.4	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 20:53	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 20:53	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 20:53	TPH 8015M	
Surrogate: 1-Chlorooctane		*86.0 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 20:53*	*TPH 8015M*	
Surrogate: o-Terphenyl		*98.5 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 20:53*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 20:53	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2490**	1.18	mg/kg dry	1	P3D1008	04/10/23 15:00	04/11/23 01:26	EPA 300.0	
% Moisture	**15.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

SW-6 @ 0-4.1'

3D10003-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:05	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:05	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:05	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:05	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*84.7 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 19:05*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*129 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 19:05*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 21:18	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 21:18	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 21:18	TPH 8015M	
Surrogate: 1-Chlorooctane		*89.8 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 21:18*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 21:18*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 21:18	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**277**	1.08	mg/kg dry	1	P3D1008	04/10/23 15:00	04/11/23 01:46	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

SW-9B @ 4.1'

3D10003-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:26	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:26	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:26	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:26	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*84.2 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 19:26*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*130 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 19:26*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 22:30	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 22:30	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 22:30	TPH 8015M	
Surrogate: 1-Chlorooctane		*88.5 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 22:30*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 22:30*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 22:30	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**29100**	54.3	mg/kg dry	50	P3D1008	04/10/23 15:00	04/11/23 12:29	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-73 @ 4.1'

3D10003-12 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00112	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:46	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:46	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:46	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:46	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 19:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*127 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 19:46*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*83.5 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 19:46*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.1	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 22:54	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 22:54	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 22:54	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.4 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 22:54*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 22:54*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 22:54	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**333**	1.12	mg/kg dry	1	P3D1008	04/10/23 15:00	04/11/23 03:08	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-74 @ 4.1'

3D10003-13 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00110	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 20:06	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 20:06	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 20:06	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 20:06	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3D1001	04/10/23 10:40	04/10/23 20:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*83.6 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 20:06*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*127 %*	*80-120*		*P3D1001*	*04/10/23 10:40*	*04/10/23 20:06*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 23:18	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 23:18	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3D1005	04/10/23 11:30	04/10/23 23:18	TPH 8015M	
Surrogate: 1-Chlorooctane		*87.7 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 23:18*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P3D1005*	*04/10/23 11:30*	*04/10/23 23:18*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	04/10/23 11:30	04/10/23 23:18	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**270**	1.10	mg/kg dry	1	P3D1008	04/10/23 15:00	04/11/23 03:29	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P3D1104	04/11/23 12:05	04/11/23 12:12	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D1001 - * DEFAULT PREP *** **										
Blank (P3D1001-BLK1)				Prepared & Analyzed: 04/10/23						
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	*0.102*		"	*0.120*		*84.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.143*		"	*0.120*		*119*	*80-120*			
LCS (P3D1001-BS1)				Prepared & Analyzed: 04/10/23						
Benzene	0.117	0.00100	mg/kg	0.100		117	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		103	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.153*		"	*0.120*		*128*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.0994*		"	*0.120*		*82.8*	*80-120*			
LCS Dup (P3D1001-BSD1)				Prepared & Analyzed: 04/10/23						
Benzene	0.112	0.00100	mg/kg	0.100		112	80-120	4.26	20	
Toluene	0.106	0.00100	"	0.100		106	80-120	6.35	20	
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120	6.10	20	
Xylene (p/m)	0.195	0.00200	"	0.200		97.4	80-120	5.93	20	
Xylene (o)	0.101	0.00100	"	0.100		101	80-120	6.72	20	
Surrogate: 1,4-Difluorobenzene	*0.0993*		"	*0.120*		*82.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.155*		"	*0.120*		*129*	*80-120*			*S-GC*
Calibration Blank (P3D1001-CCB1)				Prepared & Analyzed: 04/10/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.210		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.146*		"	*0.120*		*122*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.101*		"	*0.120*		*84.1*	*80-120*			

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D1001 - * DEFAULT PREP *** **										
Calibration Blank (P3D1001-CCB2)				Prepared & Analyzed: 04/10/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.200		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.150*		*"*	*0.120*		*125*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.0979*		*"*	*0.120*		*81.6*	*80-120*			
Calibration Blank (P3D1001-CCB3)				Prepared & Analyzed: 04/10/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.270		"							
Xylene (p/m)	0.290		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.0989*		*"*	*0.120*		*82.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.150*		*"*	*0.120*		*125*	*80-120*			*S-GC*
Calibration Check (P3D1001-CCV1)				Prepared & Analyzed: 04/10/23						
Benzene	0.113	0.00100	mg/kg	0.100		113	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200		98.5	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.156*		*"*	*0.120*		*130*	*75-125*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.6*	*75-125*			
Calibration Check (P3D1001-CCV2)				Prepared & Analyzed: 04/10/23						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.139*		*"*	*0.120*		*116*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.101*		*"*	*0.120*		*83.9*	*75-125*			

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D1001 - * DEFAULT PREP *** **										
Calibration Check (P3D1001-CCV3)				Prepared & Analyzed: 04/10/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.199	0.00200	"	0.200		99.4	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.139*		"	*0.120*		*116*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.0973*		"	*0.120*		*81.1*	*75-125*			
Matrix Spike (P3D1001-MS1)		**Source: 3D10001-01**		Prepared & Analyzed: 04/10/23						
Benzene	0.120	0.00103	mg/kg dry	0.103	ND	117	80-120			
Toluene	0.103	0.00103	"	0.103	ND	99.6	80-120			
Ethylbenzene	0.0991	0.00103	"	0.103	ND	96.1	80-120			
Xylene (p/m)	0.174	0.00206	"	0.206	ND	84.5	80-120			
Xylene (o)	0.0948	0.00103	"	0.103	ND	92.0	80-120			
Surrogate: 1,4-Difluorobenzene	*0.105*		"	*0.124*		*84.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.150*		"	*0.124*		*121*	*80-120*			*S-GC*
Matrix Spike Dup (P3D1001-MSD1)		**Source: 3D10001-01**		Prepared & Analyzed: 04/10/23						
Benzene	0.120	0.00103	mg/kg dry	0.103	ND	117	80-120	0.128	20	
Toluene	0.104	0.00103	"	0.103	ND	101	80-120	1.07	20	
Ethylbenzene	0.0996	0.00103	"	0.103	ND	96.6	80-120	0.488	20	
Xylene (p/m)	0.174	0.00206	"	0.206	ND	84.5	80-120	0.0769	20	S-GC
Xylene (o)	0.0951	0.00103	"	0.103	ND	92.2	80-120	0.261	20	
Surrogate: 4-Bromofluorobenzene	*0.150*		"	*0.124*		*121*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.105*		"	*0.124*		*84.9*	*80-120*			

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D1005 - TX 1005										
Blank (P3D1005-BLK1)				Prepared & Analyzed: 04/10/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*80.5*		"	*100*		*80.5*	*70-130*			
Surrogate: o-Terphenyl	*44.2*		"	*50.0*		*88.3*	*70-130*			
LCS (P3D1005-BS1)				Prepared & Analyzed: 04/10/23						
C6-C12	841	25.0	mg/kg	1000		84.1	75-125			
>C12-C28	1170	25.0	"	1000		117	75-125			
Surrogate: 1-Chlorooctane	*109*		"	*100*		*109*	*70-130*			
Surrogate: o-Terphenyl	*52.8*		"	*50.0*		*106*	*70-130*			
LCS Dup (P3D1005-BSD1)				Prepared & Analyzed: 04/10/23						
C6-C12	845	25.0	mg/kg	1000		84.5	75-125	0.426	20	
>C12-C28	1160	25.0	"	1000		116	75-125	0.775	20	
Surrogate: 1-Chlorooctane	*111*		"	*100*		*111*	*70-130*			
Surrogate: o-Terphenyl	*56.0*		"	*50.0*		*112*	*70-130*			
Calibration Check (P3D1005-CCV1)				Prepared & Analyzed: 04/10/23						
C6-C12	473	25.0	mg/kg	500		94.7	85-115			
>C12-C28	505	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	*101*		"	*100*		*101*	*70-130*			
Surrogate: o-Terphenyl	*45.4*		"	*50.0*		*90.9*	*70-130*			
Calibration Check (P3D1005-CCV2)				Prepared & Analyzed: 04/10/23						
C6-C12	491	25.0	mg/kg	500		98.2	85-115			
>C12-C28	539	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	*106*		"	*100*		*106*	*70-130*			
Surrogate: o-Terphenyl	*47.8*		"	*50.0*		*95.7*	*70-130*			

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D1005 - TX 1005										
Calibration Check (P3D1005-CCV3)				Prepared: 04/10/23 Analyzed: 04/11/23						
C6-C12	505	25.0	mg/kg	500		101	85-115			
>C12-C28	568	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	*109*		*"*	*100*		*109*	*70-130*			
Surrogate: o-Terphenyl	*50.2*		*"*	*50.0*		*100*	*70-130*			
Matrix Spike (P3D1005-MS1)		**Source: 3D10003-13**		Prepared & Analyzed: 04/10/23						
C6-C12	987	27.5	mg/kg dry	1100	ND	89.9	75-125			
>C12-C28	1370	27.5	"	1100	ND	124	75-125			
Surrogate: 1-Chlorooctane	*123*		*"*	*110*		*112*	*70-130*			
Surrogate: o-Terphenyl	*49.4*		*"*	*54.9*		*89.9*	*70-130*			
Matrix Spike Dup (P3D1005-MSD1)		**Source: 3D10003-13**		Prepared: 04/10/23 Analyzed: 04/11/23						
C6-C12	950	27.5	mg/kg dry	1100	ND	86.5	75-125	3.82	20	
>C12-C28	1320	27.5	"	1100	ND	120	75-125	3.81	20	
Surrogate: 1-Chlorooctane	*119*		*"*	*110*		*109*	*70-130*			
Surrogate: o-Terphenyl	*48.2*		*"*	*54.9*		*87.7*	*70-130*			

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D1008 - * DEFAULT PREP *** **										
Blank (P3D1008-BLK1)				Prepared & Analyzed: 04/10/23						
Chloride	ND	1.00	mg/kg							
LCS (P3D1008-BS1)				Prepared & Analyzed: 04/10/23						
Chloride	18.9		mg/kg	20.0		94.3	90-110			
LCS Dup (P3D1008-BSD1)				Prepared & Analyzed: 04/10/23						
Chloride	19.0		mg/kg	20.0		95.2	90-110	1.00	10	
Calibration Check (P3D1008-CCV1)				Prepared & Analyzed: 04/10/23						
Chloride	18.7		mg/kg	20.0		93.5	90-110			
Calibration Check (P3D1008-CCV2)				Prepared: 04/10/23 Analyzed: 04/11/23						
Chloride	18.7		mg/kg	20.0		93.4	90-110			
Calibration Check (P3D1008-CCV3)				Prepared: 04/10/23 Analyzed: 04/11/23						
Chloride	18.8		mg/kg	20.0		94.2	90-110			
Matrix Spike (P3D1008-MS1)		**Source: 3D10003-01**		Prepared & Analyzed: 04/10/23						
Chloride	93.9		mg/kg	50.0	34.2	119	80-120			
Matrix Spike (P3D1008-MS2)		**Source: 3D10004-01**		Prepared: 04/10/23 Analyzed: 04/11/23						
Chloride	148		mg/kg	100	44.3	103	80-120			
Matrix Spike Dup (P3D1008-MSD1)		**Source: 3D10003-01**		Prepared & Analyzed: 04/10/23						
Chloride	93.0		mg/kg	50.0	34.2	118	80-120	1.01	20	
Matrix Spike Dup (P3D1008-MSD2)		**Source: 3D10004-01**		Prepared: 04/10/23 Analyzed: 04/11/23						
Chloride	147		mg/kg	100	44.3	103	80-120	0.148	20	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D1104 - * DEFAULT PREP *** **										
Blank (P3D1104-BLK1)				Prepared & Analyzed: 04/11/23						
% Moisture	ND	0.1	%							
Blank (P3D1104-BLK2)				Prepared & Analyzed: 04/11/23						
% Moisture	ND	0.1	%							
Duplicate (P3D1104-DUP1)		**Source: 3D10003-04**		Prepared & Analyzed: 04/11/23						
% Moisture	10.0	0.1	%		8.0			22.2	20	
Duplicate (P3D1104-DUP2)		**Source: 3D10006-01**		Prepared & Analyzed: 04/11/23						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P3D1104-DUP3)		**Source: 3D06009-06**		Prepared & Analyzed: 04/11/23						
% Moisture	7.0	0.1	%		7.0			0.00	20	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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.
ROI	Received on Ice
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: 4/13/2023

Brent Barron, Laboratory Director/Technical Director

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No. 2750

CHAIN-OF-CUSTOD

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

DATE: 4/10/2023 PAGE 1 OF 1

PO#: LAB WORK ORDER#: 3D10003

PROJECT LOCATION OR NAME: SALADO 29 26 33

LAI PROJECT #: 20-0107 - 08 COLLECTOR: STAN BATES

Data Reported to: ROBERT NELSON / MARK LARSON

TRRP report? ☐ Yes ☒ No

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

TIME ZONE: Time zone/State: MNT / NM

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4	NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D.W. 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	CYANIDE ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-66 4.1'	1	4/4/23	10:00	S	1					X		X		V	X	X																										X				
C-27 4.1	2	4/4/23	10:30	S	1					X																																				
SW-1 0-2'	3	4/4/23	11:20	S	1																																									
C-60 0-4.1	4	4/5/23	11:25	S	1																																								
C-61 0-4.1	5	4/5/23	11:40	S	1																																								
SW-11 0-4.1	6	4/5/23	12:00	S	1																																								
SW-12 0-4.1	7	4/5/23	1:00	S	1																																								
C-67 4.1'	8	4/6/23	10:00	S	1																																								
SW-8B 4.1'	9	4/6/23	11:00	S	1																																								
SW-6 0-4.1'	10	4/6/23	11:15	S	1																																								
SW-9B 4.1'	11	4/6/23	11:40	S	1																																								
C-73 4.1'	12	4/6/23	12:00	S	1																																								
C-74 4.1'	13	4/6/23	12:20	S	1																																								

TOTAL 13

RELINQUISHED BY:(Signature) Daniel Stephens DATE/TIME 4/10/23 0947 RECEIVED BY: (Signature)

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

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature) 4/10/23 943

LABORATORY: DHL

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

LABORATORY USE ONLY:
RECEIVING TEMP: 8 THERM#: CF0
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

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 29 26 33

Project Number: 20-0107-08

Location: New Mexico

Lab Order Number: 3D14006

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 04/24/23

Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-10 @ 0-4.1'	3D14006-01	Soil	04/10/23 12:30	04-14-2023 16:03
C-75 @ 4.1'	3D14006-02	Soil	04/10/23 13:15	04-14-2023 16:03
C-70 @ 4.1'	3D14006-03	Soil	04/12/23 08:00	04-14-2023 16:03
C-68 @ 4.1'	3D14006-04	Soil	04/12/23 08:30	04-14-2023 16:03
SW-4B @ 4.1'	3D14006-05	Soil	04/12/23 08:15	04-14-2023 16:03
C-69 @ 4.1'	3D14006-06	Soil	04/14/23 08:30	04-14-2023 16:03
C-71 @ 4.1'	3D14006-07	Soil	04/14/23 08:35	04-14-2023 16:03
C-72 @ 4.1'	3D14006-08	Soil	04/14/23 08:40	04-14-2023 16:03
SW-9 @ 0-4.1'	3D14006-09	Soil	04/14/23 10:45	04-14-2023 16:03
SW-15 @ 0-4.1'	3D14006-10	Soil	04/14/23 13:30	04-14-2023 16:03

Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

SW-10 @ 0-4.1'

3D14006-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:06	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:06	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:06	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:06	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.6 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 17:06*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 17:06*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P3D1810	04/18/23 14:00	04/20/23 23:53	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3D1810	04/18/23 14:00	04/20/23 23:53	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3D1810	04/18/23 14:00	04/20/23 23:53	TPH 8015M	
Surrogate: 1-Chlorooctane		*89.7 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/20/23 23:53*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/20/23 23:53*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	04/18/23 14:00	04/20/23 23:53	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**119**	1.02	mg/kg dry	1	P3D2108	04/20/23 10:00	04/22/23 22:34	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P3D1702	04/17/23 09:19	04/17/23 09:29	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-75 @ 4.1'

3D14006-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:27	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:27	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:27	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:27	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 17:27*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*95.1 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 17:27*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 00:20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 00:20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 00:20	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.3 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 00:20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 00:20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	04/18/23 14:00	04/21/23 00:20	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**320**	1.03	mg/kg dry	1	P3D2108	04/20/23 10:00	04/22/23 23:17	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3D1702	04/17/23 09:19	04/17/23 09:29	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-70 @ 4.1'

3D14006-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:47	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:47	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:47	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:47	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 17:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 17:47*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*94.1 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 17:47*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 00:47	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 00:47	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 00:47	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.4 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 00:47*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 00:47*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	04/18/23 14:00	04/21/23 00:47	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1140**	1.04	mg/kg dry	1	P3D2108	04/20/23 10:00	04/22/23 23:32	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P3D1702	04/17/23 09:19	04/17/23 09:29	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-68 @ 4.1'

3D14006-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:08	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:08	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:08	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:08	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 18:08*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*95.1 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 18:08*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 01:12	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 01:12	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 01:12	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.2 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 01:12*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 01:12*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	04/18/23 14:00	04/21/23 01:12	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2270**	5.38	mg/kg dry	5	P3D2108	04/20/23 10:00	04/22/23 23:46	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3D1702	04/17/23 09:19	04/17/23 09:29	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

SW-4B @ 4.1'

3D14006-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:29	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:29	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:29	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:29	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 18:29*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*94.4 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 18:29*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 01:38	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 01:38	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 01:38	TPH 8015M	
Surrogate: 1-Chlorooctane		*88.8 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 01:38*	*TPH 8015M*	
Surrogate: o-Terphenyl		*100 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 01:38*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/18/23 14:00	04/21/23 01:38	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**792**	1.01	mg/kg dry	1	P3D2108	04/20/23 10:00	04/23/23 00:00	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3D1702	04/17/23 09:19	04/17/23 09:29	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-69 @ 4.1'

3D14006-06 (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	P3D2003	04/20/23 13:11	04/20/23 18:49	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:49	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:49	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:49	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 18:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*98.4 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 18:49*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*86.3 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 18:49*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 02:04	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 02:04	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 02:04	TPH 8015M	
Surrogate: 1-Chlorooctane		*79.4 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 02:04*	*TPH 8015M*	
Surrogate: o-Terphenyl		*88.9 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 02:04*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	04/18/23 14:00	04/21/23 02:04	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**522**	1.05	mg/kg dry	1	P3D2108	04/20/23 10:00	04/23/23 00:15	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3D1702	04/17/23 09:19	04/17/23 09:29	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-71 @ 4.1'

3D14006-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00118	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 19:10	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 19:10	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 19:10	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 19:10	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 19:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*99.3 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 19:10*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*89.0 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 19:10*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.4	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 02:30	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 02:30	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 02:30	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.3 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 02:30*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 02:30*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	04/18/23 14:00	04/21/23 02:30	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**501**	1.18	mg/kg dry	1	P3D2108	04/20/23 10:00	04/23/23 00:29	EPA 300.0	
% Moisture	**15.0**	0.1	%	1	P3D1702	04/17/23 09:19	04/17/23 09:29	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

C-72 @ 4.1'

3D14006-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00116	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 19:30	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 19:30	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 19:30	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 19:30	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 19:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.7 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 19:30*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.4 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 19:30*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.1	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 02:57	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 02:57	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P3D1810	04/18/23 14:00	04/21/23 02:57	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.7 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 02:57*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P3D1810*	*04/18/23 14:00*	*04/21/23 02:57*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	04/18/23 14:00	04/21/23 02:57	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**371**	1.16	mg/kg dry	1	P3D2108	04/20/23 10:00	04/23/23 00:44	EPA 300.0	
% Moisture	**14.0**	0.1	%	1	P3D1702	04/17/23 09:19	04/17/23 09:29	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

SW-9 @ 0-4.1'

3D14006-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 20:32	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 20:32	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 20:32	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 20:32	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 20:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.3 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 20:32*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.7 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 20:32*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P3D2005	04/20/23 14:40	04/22/23 06:45	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P3D2005	04/20/23 14:40	04/22/23 06:45	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P3D2005	04/20/23 14:40	04/22/23 06:45	TPH 8015M	
Surrogate: 1-Chlorooctane		*85.9 %*	*70-130*		*P3D2005*	*04/20/23 14:40*	*04/22/23 06:45*	*TPH 8015M*	
Surrogate: o-Terphenyl		*93.5 %*	*70-130*		*P3D2005*	*04/20/23 14:40*	*04/22/23 06:45*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/20/23 14:40	04/22/23 06:45	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**21.5**	1.01	mg/kg dry	1	P3D2108	04/20/23 10:00	04/23/23 00:58	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3D1702	04/17/23 09:19	04/17/23 09:29	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

SW-15 @ 0-4.1'

3D14006-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 20:52	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 20:52	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 20:52	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 20:52	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3D2003	04/20/23 13:11	04/20/23 20:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.9 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 20:52*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.3 %*	*80-120*		*P3D2003*	*04/20/23 13:11*	*04/20/23 20:52*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3D2005	04/20/23 14:40	04/22/23 07:07	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3D2005	04/20/23 14:40	04/22/23 07:07	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3D2005	04/20/23 14:40	04/22/23 07:07	TPH 8015M	
Surrogate: 1-Chlorooctane		*83.1 %*	*70-130*		*P3D2005*	*04/20/23 14:40*	*04/22/23 07:07*	*TPH 8015M*	
Surrogate: o-Terphenyl		*94.4 %*	*70-130*		*P3D2005*	*04/20/23 14:40*	*04/22/23 07:07*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	04/20/23 14:40	04/22/23 07:07	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**66.2**	1.08	mg/kg dry	1	P3D2108	04/20/23 10:00	04/23/23 01:12	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3D1702	04/17/23 09:19	04/17/23 09:29	ASTM D2216	

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D2003 - * DEFAULT PREP *** **										
Blank (P3D2003-BLK1)				Prepared & Analyzed: 04/20/23						
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: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*98.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.113*		"	*0.120*		*94.5*	*80-120*			
LCS (P3D2003-BS1)				Prepared & Analyzed: 04/20/23						
Benzene	0.115	0.00100	mg/kg	0.100		115	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200		108	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.5*	*80-120*			
LCS Dup (P3D2003-BSD1)				Prepared & Analyzed: 04/20/23						
Benzene	0.113	0.00100	mg/kg	0.100		113	80-120	2.48	20	
Toluene	0.111	0.00100	"	0.100		111	80-120	1.42	20	
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120	1.98	20	
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120	2.91	20	
Xylene (o)	0.104	0.00100	"	0.100		104	80-120	1.52	20	
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*99.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.124*		"	*0.120*		*104*	*80-120*			
Calibration Blank (P3D2003-CCB1)				Prepared & Analyzed: 04/20/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.120		"							
Xylene (p/m)	0.120		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*96.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.108*		"	*0.120*		*90.0*	*80-120*			

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D2003 - * DEFAULT PREP *** **										
Calibration Blank (P3D2003-CCB2)				Prepared & Analyzed: 04/20/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.230		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0979*		"	*0.120*		*81.6*	*80-120*			
Calibration Check (P3D2003-CCV1)				Prepared & Analyzed: 04/20/23						
Benzene	0.103	0.00100	mg/kg	0.100		103	80-120			
Toluene	0.0898	0.00100	"	0.100		89.8	80-120			
Ethylbenzene	0.0826	0.00100	"	0.100		82.6	80-120			
Xylene (p/m)	0.167	0.00200	"	0.200		83.3	80-120			
Xylene (o)	0.0855	0.00100	"	0.100		85.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.103*		"	*0.120*		*85.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.2*	*75-125*			
Calibration Check (P3D2003-CCV2)				Prepared & Analyzed: 04/20/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.0986	0.00100	"	0.100		98.6	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.1	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.104*		"	*0.120*		*86.3*	*75-125*			
Calibration Check (P3D2003-CCV3)				Prepared: 04/20/23 Analyzed: 04/21/23						
Benzene	0.117	0.00100	mg/kg	0.100		117	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*107*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*99.8*	*75-125*			

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D2003 - * DEFAULT PREP *** **										
Matrix Spike (P3D2003-MS1)	**Source: 3D13001-61**			Prepared & Analyzed: 04/20/23						
Benzene	0.0998	0.00100	mg/kg dry	0.100	ND	99.8	80-120			
Toluene	0.0975	0.00100	"	0.100	ND	97.5	80-120			
Ethylbenzene	0.0968	0.00100	"	0.100	ND	96.8	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200	ND	89.4	80-120			
Xylene (o)	0.0864	0.00100	"	0.100	ND	86.4	80-120			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*107*	*80-120*			
Matrix Spike Dup (P3D2003-MSD1)	**Source: 3D13001-61**			Prepared: 04/20/23 Analyzed: 04/21/23						
Benzene	0.0998	0.00100	mg/kg dry	0.100	ND	99.8	80-120	0.0601	20	
Toluene	0.0976	0.00100	"	0.100	ND	97.6	80-120	0.103	20	
Ethylbenzene	0.0974	0.00100	"	0.100	ND	97.4	80-120	0.597	20	
Xylene (p/m)	0.180	0.00200	"	0.200	ND	89.9	80-120	0.564	20	
Xylene (o)	0.0871	0.00100	"	0.100	ND	87.1	80-120	0.876	20	
Surrogate: 4-Bromofluorobenzene	*0.130*		"	*0.120*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D1810 - TX 1005										
Blank (P3D1810-BLK1)				Prepared: 04/18/23 Analyzed: 04/20/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*88.2*		*"*	*100*		*88.2*	*70-130*			
Surrogate: o-Terphenyl	*49.8*		*"*	*50.0*		*99.6*	*70-130*			
LCS (P3D1810-BS1)				Prepared: 04/18/23 Analyzed: 04/20/23						
C6-C12	903	25.0	mg/kg	1000		90.3	75-125			
>C12-C28	896	25.0	"	1000		89.6	75-125			
Surrogate: 1-Chlorooctane	*114*		*"*	*100*		*114*	*70-130*			
Surrogate: o-Terphenyl	*54.0*		*"*	*50.0*		*108*	*70-130*			
LCS Dup (P3D1810-BSD1)				Prepared: 04/18/23 Analyzed: 04/20/23						
C6-C12	854	25.0	mg/kg	1000		85.4	75-125	5.59	20	
>C12-C28	836	25.0	"	1000		83.6	75-125	6.92	20	
Surrogate: 1-Chlorooctane	*107*		*"*	*100*		*107*	*70-130*			
Surrogate: o-Terphenyl	*54.4*		*"*	*50.0*		*109*	*70-130*			
Calibration Check (P3D1810-CCV1)				Prepared: 04/18/23 Analyzed: 04/20/23						
C6-C12	471	25.0	mg/kg	500		94.2	85-115			
>C12-C28	513	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	*105*		*"*	*100*		*105*	*70-130*			
Surrogate: o-Terphenyl	*53.7*		*"*	*50.0*		*107*	*70-130*			
Calibration Check (P3D1810-CCV2)				Prepared: 04/18/23 Analyzed: 04/20/23						
C6-C12	499	25.0	mg/kg	500		99.7	85-115			
>C12-C28	533	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	*110*		*"*	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*55.3*		*"*	*50.0*		*111*	*70-130*			

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Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D1810 - TX 1005										
Matrix Spike (P3D1810-MS1)	**Source: 3D13001-61**			Prepared: 04/18/23 Analyzed: 04/21/23						
C6-C12	851	25.0	mg/kg dry	1000	10.3	84.1	75-125			
>C12-C28	844	25.0	"	1000	9.86	83.4	75-125			
Surrogate: 1-Chlorooctane	*110*		"	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*49.3*		"	*50.0*		*98.5*	*70-130*			
Matrix Spike Dup (P3D1810-MSD1)	**Source: 3D13001-61**			Prepared: 04/18/23 Analyzed: 04/21/23						
C6-C12	854	25.0	mg/kg dry	1000	10.3	84.4	75-125	0.384	20	
>C12-C28	853	25.0	"	1000	9.86	84.3	75-125	1.07	20	
Surrogate: 1-Chlorooctane	*114*		"	*100*		*114*	*70-130*			
Surrogate: o-Terphenyl	*49.6*		"	*50.0*		*99.2*	*70-130*			
Batch P3D2005 - TX 1005										
Blank (P3D2005-BLK1)				Prepared: 04/20/23 Analyzed: 04/22/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*84.9*		"	*100*		*84.9*	*70-130*			
Surrogate: o-Terphenyl	*46.4*		"	*50.0*		*92.8*	*70-130*			
LCS (P3D2005-BS1)				Prepared: 04/20/23 Analyzed: 04/22/23						
C6-C12	997	25.0	mg/kg	1000		99.7	75-125			
>C12-C28	882	25.0	"	1000		88.2	75-125			
Surrogate: 1-Chlorooctane	*115*		"	*100*		*115*	*70-130*			
Surrogate: o-Terphenyl	*52.9*		"	*50.0*		*106*	*70-130*			
LCS Dup (P3D2005-BSD1)				Prepared: 04/20/23 Analyzed: 04/22/23						
C6-C12	1020	25.0	mg/kg	1000		102	75-125	1.95	20	
>C12-C28	889	25.0	"	1000		88.9	75-125	0.740	20	
Surrogate: 1-Chlorooctane	*116*		"	*100*		*116*	*70-130*			
Surrogate: o-Terphenyl	*51.0*		"	*50.0*		*102*	*70-130*			

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D2005 - TX 1005										
Calibration Check (P3D2005-CCV1)				Prepared: 04/20/23 Analyzed: 04/22/23						
C6-C12	513	25.0	mg/kg	500		103	85-115			
>C12-C28	495	25.0	"	500		99.0	85-115			
Surrogate: 1-Chlorooctane	*97.2*		*"*	*100*		*97.2*	*70-130*			
Surrogate: o-Terphenyl	*47.0*		*"*	*50.0*		*94.0*	*70-130*			
Calibration Check (P3D2005-CCV2)				Prepared: 04/20/23 Analyzed: 04/22/23						
C6-C12	511	25.0	mg/kg	500		102	85-115			
>C12-C28	480	25.0	"	500		96.0	85-115			
Surrogate: 1-Chlorooctane	*96.8*		*"*	*100*		*96.8*	*70-130*			
Surrogate: o-Terphenyl	*47.3*		*"*	*50.0*		*94.6*	*70-130*			
Matrix Spike (P3D2005-MS1)		**Source: 3D19001-18**		Prepared: 04/20/23 Analyzed: 04/22/23						
C6-C12	910	25.5	mg/kg dry	1020	11.9	88.0	75-125			
>C12-C28	809	25.5	"	1020	47.3	74.7	75-125			QM-05
Surrogate: 1-Chlorooctane	*101*		*"*	*102*		*99.1*	*70-130*			
Surrogate: o-Terphenyl	*46.1*		*"*	*51.0*		*90.4*	*70-130*			
Matrix Spike Dup (P3D2005-MSD1)		**Source: 3D19001-18**		Prepared: 04/20/23 Analyzed: 04/22/23						
C6-C12	895	25.5	mg/kg dry	1020	11.9	86.5	75-125	1.71	20	
>C12-C28	790	25.5	"	1020	47.3	72.8	75-125	2.51	20	QM-05
Surrogate: 1-Chlorooctane	*95.0*		*"*	*102*		*93.1*	*70-130*			
Surrogate: o-Terphenyl	*43.2*		*"*	*51.0*		*84.7*	*70-130*			

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D1702 - * DEFAULT PREP *** **										
Blank (P3D1702-BLK1)				Prepared & Analyzed: 04/17/23						
% Moisture	ND	0.1	%							
Duplicate (P3D1702-DUP1)		**Source: 3D14006-06**		Prepared & Analyzed: 04/17/23						
% Moisture	6.0	0.1	%		5.0			18.2	20	
Duplicate (P3D1702-DUP2)		**Source: 3D14007-10**		Prepared & Analyzed: 04/17/23						
% Moisture	10.0	0.1	%		10.0			0.00	20	
Batch P3D2108 - * DEFAULT PREP *** **										
Blank (P3D2108-BLK1)				Prepared: 04/20/23 Analyzed: 04/22/23						
Chloride	ND	1.00	mg/kg							
LCS (P3D2108-BS1)				Prepared: 04/20/23 Analyzed: 04/22/23						
Chloride	18.9		mg/kg	20.0		94.6	90-110			
LCS Dup (P3D2108-BSD1)				Prepared: 04/20/23 Analyzed: 04/22/23						
Chloride	18.6		mg/kg	20.0		93.2	90-110	1.53	10	
Calibration Check (P3D2108-CCV1)				Prepared: 04/20/23 Analyzed: 04/22/23						
Chloride	18.2		mg/kg	18.0		101	90-110			
Calibration Check (P3D2108-CCV2)				Prepared: 04/20/23 Analyzed: 04/22/23						
Chloride	18.7		mg/kg	18.0		104	90-110			
Matrix Spike (P3D2108-MS1)		**Source: 3D13008-05**		Prepared: 04/20/23 Analyzed: 04/22/23						
Chloride	110		mg/kg	100	0.252	110	80-120			

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
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 P3D2108 - * DEFAULT PREP *** **										
Matrix Spike (P3D2108-MS2)	**Source: 3D14006-01**			Prepared: 04/20/23 Analyzed: 04/22/23						
Chloride	59.8		mg/kg	50.0	11.7	96.3	80-120			
Matrix Spike Dup (P3D2108-MSD1)	**Source: 3D13008-05**			Prepared: 04/20/23 Analyzed: 04/22/23						
Chloride	110		mg/kg	100	0.252	110	80-120	0.0373	20	
Matrix Spike Dup (P3D2108-MSD2)	**Source: 3D14006-01**			Prepared: 04/20/23 Analyzed: 04/22/23						
Chloride	62.8		mg/kg	50.0	11.7	102	80-120	4.86	20	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Larson & Associates, Inc.	Project: Salado 29 26 33
P.O. Box 50685	Project Number: 20-0107-08
Midland TX, 79710	Project Manager: Mark Larson

Notes and Definitions

ROI	Received on Ice
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: 4/24/2023

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Larson & Associates, Inc.	Project:	Salado 29 26 33
P.O. Box 50685	Project Number:	20-0107-08
Midland TX, 79710	Project Manager:	Mark Larson

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No. 2752

CHAIN-OF-CUSTODY

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

DATE: 4-14-23 PAGE 1 OF 1

PO#: LAB WORK ORDER#: 3D1400C6

PROJECT LOCATION OR NAME: SALADO 29 26 33

LAI PROJECT #: 20-0107-08 COLLECTOR: STAN BATES

Data Reported to: ROBERT NELSON / MARK LARSON

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MNT / NM

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

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

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
SW-10 0-4.1'	1	4/10/23	12:30	S	1				X		X		X X X															X		
C-75 4.1'	2	4/10/23	1:15	S	1				X																					
C-70 4.1'	3	4/12/23	8:00	S	1																									
C-68 4.1	4	4/12/23	8:30	S	1																									
SW 4B 4.1'	5	4/12/23	8:15	S	1																									
C69 4.1	6	4-14-23	830	S	1																									
C71 4.1	7	1	835	S	1																									
C72 4.1	8	1	840	S	1																									
SW9 0-4.1	9	4-14-23	1045	S	1				X		X		X X X															X		
SW15 0-4.1	10	4-14-23	1330	S	1				X		X		X X X															X		

TOTAL 10

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
Jason Hurd	4-14-23 16:03	Tierra Blaine
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: PBE

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

LABORATORY USE ONLY:
RECEIVING TEMP: 4.6 THERM#: NCF L3
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/8/2023 12:23:03 PM Revision 1

JOB DESCRIPTION

Salado 29 26 33
SDG NUMBER 20-0107-08

JOB NUMBER

880-24284-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 11/14/2023 1:06:35 PM

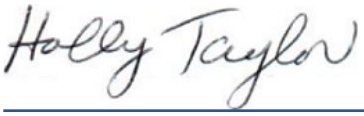
my EOL

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



Generated
2/8/2023 12:23:03 PM
Revision 1

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

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-24284-1
Project/Site: Salado 29 26 33 SDG: 20-0107-08

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Job ID: 880-24284-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-24284-1

Revision
The report being provided is a revision of the original report sent on 2/7/2023. The report (revision 1) is being revised to change depth on C-2 to 0-2' per the COC-Robert Nelson (email).

Receipt
The samples were received on 2/3/2023 9:23 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.2º C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-1 , 2' (880-24284-1), C-2 , 0-2' (880-24284-2), C-3 , 4.1' (880-24284-3), C-4 , 3.5' (880-24284-4), C-5 , 4.1' (880-24284-5), C-6 , 4.1' (880-24284-6), C-7 , 4.1' (880-24284-7), C-8 , 3.5' (880-24284-8) and C-9 , 4.1' (880-24284-9).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: C-8 , 3.5' (880-24284-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-45570 and analytical batch 880-45545 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA
Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-45548 and analytical batch 880-45535 was outside control limits. Sample non-homogeneity is suspected.

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

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

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

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Client Sample ID: C-1 , 2'
Date Collected: 02/02/23 13:14
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/07/23 02:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/07/23 02:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/07/23 02:51	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/06/23 10:49	02/07/23 02:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/07/23 02:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/06/23 10:49	02/07/23 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*02/06/23 10:49*	*02/07/23 02:51*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/06/23 10:49*	*02/07/23 02:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/07/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/23 10:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/06/23 23:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/06/23 23:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/06/23 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*02/06/23 08:09*	*02/06/23 23:37*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*02/06/23 08:09*	*02/06/23 23:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**156**		5.05		mg/Kg			02/03/23 18:10	1

Client Sample ID: C-2 , 0-2'
Date Collected: 02/02/23 13:16
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 03:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 03:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 03:12	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/06/23 10:49	02/07/23 03:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 03:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/23 10:49	02/07/23 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*02/06/23 10:49*	*02/07/23 03:12*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/06/23 10:49*	*02/07/23 03:12*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Client Sample ID: C-2 , 0-2'
Date Collected: 02/02/23 13:16
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-2
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			02/07/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/23 10:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/06/23 23:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/06/23 23:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/06/23 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*02/06/23 08:09*	*02/06/23 23:58*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*02/06/23 08:09*	*02/06/23 23:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**230**		5.00		mg/Kg			02/03/23 18:24	1

Client Sample ID: C-3 , 4.1'
Date Collected: 02/02/23 13:40
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 03:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 03:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 03:32	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/06/23 10:49	02/07/23 03:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 03:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/23 10:49	02/07/23 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*02/06/23 10:49*	*02/07/23 03:32*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*02/06/23 10:49*	*02/07/23 03:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/07/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**89.7**		49.8		mg/Kg			02/07/23 10:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 00:19	1
Diesel Range Organics (Over C10-C28)	**89.7**		49.8		mg/Kg		02/06/23 08:09	02/07/23 00:19	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Client Sample ID: C-3 , 4.1'

Date Collected: 02/02/23 13:40
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*02/06/23 08:09*	*02/07/23 00:19*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*02/06/23 08:09*	*02/07/23 00:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**376**		4.99		mg/Kg			02/03/23 18:29	1

Client Sample ID: C-4 , 3.5'

Date Collected: 02/02/23 13:42
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-4

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		02/06/23 10:49	02/07/23 03:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 03:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 03:53	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/06/23 10:49	02/07/23 03:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 03:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/23 10:49	02/07/23 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*02/06/23 10:49*	*02/07/23 03:53*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*02/06/23 10:49*	*02/07/23 03:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/07/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**97.0**		49.9		mg/Kg			02/07/23 10:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/07/23 00:41	1
Diesel Range Organics (Over C10-C28)	**97.0**		49.9		mg/Kg		02/06/23 08:09	02/07/23 00:41	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/07/23 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*02/06/23 08:09*	*02/07/23 00:41*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*02/06/23 08:09*	*02/07/23 00:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**477**		4.95		mg/Kg			02/03/23 18:34	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Client Sample ID: C-5 , 4.1'

Date Collected: 02/02/23 13:44
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 04:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 04:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 04:13	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/06/23 10:49	02/07/23 04:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 04:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/23 10:49	02/07/23 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/06/23 10:49*	*02/07/23 04:13*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/06/23 10:49*	*02/07/23 04:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/07/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**80.9**		50.0		mg/Kg			02/07/23 10:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/06/23 08:09	02/07/23 01:02	1
Diesel Range Organics (Over C10-C28)	**80.9**		50.0		mg/Kg		02/06/23 08:09	02/07/23 01:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/23 08:09	02/07/23 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*02/06/23 08:09*	*02/07/23 01:02*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*02/06/23 08:09*	*02/07/23 01:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2280**		24.9		mg/Kg			02/03/23 18:38	5

Client Sample ID: C-6 , 4.1'

Date Collected: 02/02/23 13:47
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/07/23 04:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/07/23 04:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/07/23 04:34	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/06/23 10:49	02/07/23 04:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/07/23 04:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/06/23 10:49	02/07/23 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*02/06/23 10:49*	*02/07/23 04:34*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*02/06/23 10:49*	*02/07/23 04:34*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Client Sample ID: C-6 , 4.1'
Date Collected: 02/02/23 13:47
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/07/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/07/23 10:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 01:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 01:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*02/06/23 08:09*	*02/07/23 01:24*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*02/06/23 08:09*	*02/07/23 01:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**276**		5.05		mg/Kg			02/03/23 18:52	1

Client Sample ID: C-7 , 4.1'
Date Collected: 02/02/23 13:50
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 04:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 04:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 04:54	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/06/23 10:49	02/07/23 04:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 04:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/23 10:49	02/07/23 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/06/23 10:49*	*02/07/23 04:54*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*02/06/23 10:49*	*02/07/23 04:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/07/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/07/23 10:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 02:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 02:07	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Client Sample ID: C-7 , 4.1'

Date Collected: 02/02/23 13:50
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*02/06/23 08:09*	*02/07/23 02:07*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*02/06/23 08:09*	*02/07/23 02:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2540**		24.9		mg/Kg			02/03/23 18:57	5

Client Sample ID: C-8 , 3.5'

Date Collected: 02/02/23 13:52
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 05:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 05:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 05:14	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/06/23 10:49	02/07/23 05:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:49	02/07/23 05:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/23 10:49	02/07/23 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*02/06/23 10:49*	*02/07/23 05:14*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*02/06/23 10:49*	*02/07/23 05:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/07/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**193**		49.9		mg/Kg			02/07/23 10:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/07/23 02:28	1
Diesel Range Organics (Over C10-C28)	**193**		49.9		mg/Kg		02/06/23 08:09	02/07/23 02:28	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/07/23 02:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*02/06/23 08:09*	*02/07/23 02:28*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*02/06/23 08:09*	*02/07/23 02:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**892**		25.0		mg/Kg			02/03/23 19:02	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Client Sample ID: C-9 , 4.1'

Date Collected: 02/02/23 13:53
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/07/23 05:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/07/23 05:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/07/23 05:35	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/06/23 10:49	02/07/23 05:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/07/23 05:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/06/23 10:49	02/07/23 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*02/06/23 10:49*	*02/07/23 05:35*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*02/06/23 10:49*	*02/07/23 05:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/07/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**570**		50.0		mg/Kg			02/07/23 10:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/06/23 08:09	02/07/23 02:50	1
Diesel Range Organics (Over C10-C28)	**570**		50.0		mg/Kg		02/06/23 08:09	02/07/23 02:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/23 08:09	02/07/23 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*02/06/23 08:09*	*02/07/23 02:50*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*02/06/23 08:09*	*02/07/23 02:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1770**		24.8		mg/Kg			02/03/23 19:06	5

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

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)
880-24284-1	C-1 , 2'	92	80
880-24284-2	C-2 , 0-2'	89	78
880-24284-3	C-3 , 4.1'	87	73
880-24284-4	C-4 , 3.5'	84	83
880-24284-5	C-5 , 4.1'	113	84
880-24284-6	C-6 , 4.1'	86	85
880-24284-7	C-7 , 4.1'	111	83
880-24284-8	C-8 , 3.5'	71	62 S1-
880-24284-9	C-9 , 4.1'	82	73
LCS 880-45570/1-A	Lab Control Sample	114	108
LCSD 880-45570/2-A	Lab Control Sample Dup	116	107
MB 880-45531/5-A	Method Blank	78	91
MB 880-45570/5-A	Method Blank	75	93

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)
880-24284-1	C-1 , 2'	95	93
880-24284-2	C-2 , 0-2'	91	89
880-24284-3	C-3 , 4.1'	94	90
880-24284-4	C-4 , 3.5'	94	93
880-24284-5	C-5 , 4.1'	112	108
880-24284-6	C-6 , 4.1'	94	96
880-24284-7	C-7 , 4.1'	110	110
880-24284-8	C-8 , 3.5'	91	94
880-24284-9	C-9 , 4.1'	95	94
LCS 880-45548/2-A	Lab Control Sample	99	94
LCSD 880-45548/3-A	Lab Control Sample Dup	90	91
MB 880-45548/1-A	Method Blank	106	108

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45531/5-A
Matrix: Solid
Analysis Batch: 45545

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45531

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 11:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 11:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 11:06	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/05/23 11:12	02/06/23 11:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 11:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/23 11:12	02/06/23 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*02/05/23 11:12*	*02/06/23 11:06*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/05/23 11:12*	*02/06/23 11:06*	*1*

Lab Sample ID: MB 880-45570/5-A
Matrix: Solid
Analysis Batch: 45545

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45570

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/06/23 21:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/06/23 21:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/06/23 21:43	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/06/23 10:49	02/06/23 21:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:49	02/06/23 21:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/06/23 10:49	02/06/23 21:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*02/06/23 10:49*	*02/06/23 21:43*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/06/23 10:49*	*02/06/23 21:43*	*1*

Lab Sample ID: LCS 880-45570/1-A
Matrix: Solid
Analysis Batch: 45545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45570

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1018		mg/Kg		102	70 - 130		
Toluene			0.100	0.1006		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.1024		mg/Kg		102	70 - 130		
m,p-Xylenes			0.200	0.2189		mg/Kg		109	70 - 130		
o-Xylene			0.100	0.1101		mg/Kg		110	70 - 130		

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

Lab Sample ID: LCSD 880-45570/2-A
Matrix: Solid
Analysis Batch: 45545

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45570

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1066		mg/Kg		107	70 - 130	5	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

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

Lab Sample ID: LCSD 880-45570/2-A
Matrix: Solid
Analysis Batch: 45545

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45570

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1000		mg/Kg		100	70 - 130	1	35
Ethylbenzene			0.100	0.1052		mg/Kg		105	70 - 130	3	35
m,p-Xylenes			0.200	0.2291		mg/Kg		115	70 - 130	5	35
o-Xylene			0.100	0.1151		mg/Kg		115	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

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

Lab Sample ID: MB 880-45548/1-A
Matrix: Solid
Analysis Batch: 45535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45548

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/06/23 20:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/06/23 20:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/06/23 20:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*02/06/23 08:09*	*02/06/23 20:16*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*02/06/23 08:09*	*02/06/23 20:16*	*1*

Lab Sample ID: LCS 880-45548/2-A
Matrix: Solid
Analysis Batch: 45535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45548

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			999	812.4		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)			999	890.5		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*99*		*70 - 130*
o-Terphenyl (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-45548/3-A
Matrix: Solid
Analysis Batch: 45535

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45548

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			999	799.3		mg/Kg		80	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			999	864.2		mg/Kg		87	70 - 130	3	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

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

Lab Sample ID: LCSD 880-45548/3-A
Matrix: Solid
Analysis Batch: 45535

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45548

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*90*		*70 - 130*
o-Terphenyl (Surr)	*91*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45340/1-A
Matrix: Solid
Analysis Batch: 45399

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/23 17:57	1

Lab Sample ID: LCS 880-45340/2-A
Matrix: Solid
Analysis Batch: 45399

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	260.2		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-45340/3-A
Matrix: Solid
Analysis Batch: 45399

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	259.3		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-24284-1 MS
Matrix: Solid
Analysis Batch: 45399

Client Sample ID: C-1 , 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	156		253	418.9		mg/Kg		104	90 - 110		

Lab Sample ID: 880-24284-1 MSD
Matrix: Solid
Analysis Batch: 45399

Client Sample ID: C-1 , 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	156		253	417.8		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

GC VOA

Prep Batch: 45531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45531/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 45545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24284-1	C-1 , 2'	Total/NA	Solid	8021B	45570
880-24284-2	C-2 , 0-2'	Total/NA	Solid	8021B	45570
880-24284-3	C-3 , 4.1'	Total/NA	Solid	8021B	45570
880-24284-4	C-4 , 3.5'	Total/NA	Solid	8021B	45570
880-24284-5	C-5 , 4.1'	Total/NA	Solid	8021B	45570
880-24284-6	C-6 , 4.1'	Total/NA	Solid	8021B	45570
880-24284-7	C-7 , 4.1'	Total/NA	Solid	8021B	45570
880-24284-8	C-8 , 3.5'	Total/NA	Solid	8021B	45570
880-24284-9	C-9 , 4.1'	Total/NA	Solid	8021B	45570
MB 880-45531/5-A	Method Blank	Total/NA	Solid	8021B	45531
MB 880-45570/5-A	Method Blank	Total/NA	Solid	8021B	45570
LCS 880-45570/1-A	Lab Control Sample	Total/NA	Solid	8021B	45570
LCSD 880-45570/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45570

Prep Batch: 45570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24284-1	C-1 , 2'	Total/NA	Solid	5035	
880-24284-2	C-2 , 0-2'	Total/NA	Solid	5035	
880-24284-3	C-3 , 4.1'	Total/NA	Solid	5035	
880-24284-4	C-4 , 3.5'	Total/NA	Solid	5035	
880-24284-5	C-5 , 4.1'	Total/NA	Solid	5035	
880-24284-6	C-6 , 4.1'	Total/NA	Solid	5035	
880-24284-7	C-7 , 4.1'	Total/NA	Solid	5035	
880-24284-8	C-8 , 3.5'	Total/NA	Solid	5035	
880-24284-9	C-9 , 4.1'	Total/NA	Solid	5035	
MB 880-45570/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45570/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45570/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 45676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24284-1	C-1 , 2'	Total/NA	Solid	Total BTEX	
880-24284-2	C-2 , 0-2'	Total/NA	Solid	Total BTEX	
880-24284-3	C-3 , 4.1'	Total/NA	Solid	Total BTEX	
880-24284-4	C-4 , 3.5'	Total/NA	Solid	Total BTEX	
880-24284-5	C-5 , 4.1'	Total/NA	Solid	Total BTEX	
880-24284-6	C-6 , 4.1'	Total/NA	Solid	Total BTEX	
880-24284-7	C-7 , 4.1'	Total/NA	Solid	Total BTEX	
880-24284-8	C-8 , 3.5'	Total/NA	Solid	Total BTEX	
880-24284-9	C-9 , 4.1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 45535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24284-1	C-1 , 2'	Total/NA	Solid	8015B NM	45548
880-24284-2	C-2 , 0-2'	Total/NA	Solid	8015B NM	45548

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

GC Semi VOA (Continued)

Analysis Batch: 45535 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24284-3	C-3 , 4.1'	Total/NA	Solid	8015B NM	45548
880-24284-4	C-4 , 3.5'	Total/NA	Solid	8015B NM	45548
880-24284-5	C-5 , 4.1'	Total/NA	Solid	8015B NM	45548
880-24284-6	C-6 , 4.1'	Total/NA	Solid	8015B NM	45548
880-24284-7	C-7 , 4.1'	Total/NA	Solid	8015B NM	45548
880-24284-8	C-8 , 3.5'	Total/NA	Solid	8015B NM	45548
880-24284-9	C-9 , 4.1'	Total/NA	Solid	8015B NM	45548
MB 880-45548/1-A	Method Blank	Total/NA	Solid	8015B NM	45548
LCS 880-45548/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45548
LCSD 880-45548/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45548

Prep Batch: 45548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24284-1	C-1 , 2'	Total/NA	Solid	8015NM Prep	
880-24284-2	C-2 , 0-2'	Total/NA	Solid	8015NM Prep	
880-24284-3	C-3 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24284-4	C-4 , 3.5'	Total/NA	Solid	8015NM Prep	
880-24284-5	C-5 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24284-6	C-6 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24284-7	C-7 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24284-8	C-8 , 3.5'	Total/NA	Solid	8015NM Prep	
880-24284-9	C-9 , 4.1'	Total/NA	Solid	8015NM Prep	
MB 880-45548/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45548/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45548/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24284-1	C-1 , 2'	Total/NA	Solid	8015 NM	
880-24284-2	C-2 , 0-2'	Total/NA	Solid	8015 NM	
880-24284-3	C-3 , 4.1'	Total/NA	Solid	8015 NM	
880-24284-4	C-4 , 3.5'	Total/NA	Solid	8015 NM	
880-24284-5	C-5 , 4.1'	Total/NA	Solid	8015 NM	
880-24284-6	C-6 , 4.1'	Total/NA	Solid	8015 NM	
880-24284-7	C-7 , 4.1'	Total/NA	Solid	8015 NM	
880-24284-8	C-8 , 3.5'	Total/NA	Solid	8015 NM	
880-24284-9	C-9 , 4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 45340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24284-1	C-1 , 2'	Soluble	Solid	DI Leach	
880-24284-2	C-2 , 0-2'	Soluble	Solid	DI Leach	
880-24284-3	C-3 , 4.1'	Soluble	Solid	DI Leach	
880-24284-4	C-4 , 3.5'	Soluble	Solid	DI Leach	
880-24284-5	C-5 , 4.1'	Soluble	Solid	DI Leach	
880-24284-6	C-6 , 4.1'	Soluble	Solid	DI Leach	
880-24284-7	C-7 , 4.1'	Soluble	Solid	DI Leach	
880-24284-8	C-8 , 3.5'	Soluble	Solid	DI Leach	
880-24284-9	C-9 , 4.1'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

HPLC/IC (Continued)

Leach Batch: 45340 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45340/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45340/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45340/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24284-1 MS	C-1 , 2'	Soluble	Solid	DI Leach	
880-24284-1 MSD	C-1 , 2'	Soluble	Solid	DI Leach	

Analysis Batch: 45399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24284-1	C-1 , 2'	Soluble	Solid	300.0	45340
880-24284-2	C-2 , 0-2'	Soluble	Solid	300.0	45340
880-24284-3	C-3 , 4.1'	Soluble	Solid	300.0	45340
880-24284-4	C-4 , 3.5'	Soluble	Solid	300.0	45340
880-24284-5	C-5 , 4.1'	Soluble	Solid	300.0	45340
880-24284-6	C-6 , 4.1'	Soluble	Solid	300.0	45340
880-24284-7	C-7 , 4.1'	Soluble	Solid	300.0	45340
880-24284-8	C-8 , 3.5'	Soluble	Solid	300.0	45340
880-24284-9	C-9 , 4.1'	Soluble	Solid	300.0	45340
MB 880-45340/1-A	Method Blank	Soluble	Solid	300.0	45340
LCS 880-45340/2-A	Lab Control Sample	Soluble	Solid	300.0	45340
LCSD 880-45340/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45340
880-24284-1 MS	C-1 , 2'	Soluble	Solid	300.0	45340
880-24284-1 MSD	C-1 , 2'	Soluble	Solid	300.0	45340

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Client Sample ID: C-1 , 2'
Date Collected: 02/02/23 13:14
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45570	02/06/23 10:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/07/23 02:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45676	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45677	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/06/23 23:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	45340	02/03/23 09:52	KS	EET MID
Soluble	Analysis	300.0		1			45399	02/03/23 18:10	CH	EET MID

Client Sample ID: C-2 , 0-2'
Date Collected: 02/02/23 13:16
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45570	02/06/23 10:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/07/23 03:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45676	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45677	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/06/23 23:58	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45340	02/03/23 09:52	KS	EET MID
Soluble	Analysis	300.0		1			45399	02/03/23 18:24	CH	EET MID

Client Sample ID: C-3 , 4.1'
Date Collected: 02/02/23 13:40
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	45570	02/06/23 10:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/07/23 03:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45676	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45677	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/07/23 00:19	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45340	02/03/23 09:52	KS	EET MID
Soluble	Analysis	300.0		1			45399	02/03/23 18:29	CH	EET MID

Client Sample ID: C-4 , 3.5'
Date Collected: 02/02/23 13:42
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45570	02/06/23 10:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/07/23 03:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45676	02/07/23 10:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Client Sample ID: C-4 , 3.5'
Date Collected: 02/02/23 13:42
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-4
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			45677	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/07/23 00:41	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45340	02/03/23 09:52	KS	EET MID
Soluble	Analysis	300.0		1			45399	02/03/23 18:34	CH	EET MID

Client Sample ID: C-5 , 4.1'
Date Collected: 02/02/23 13:44
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-5
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			5.03 g	5 mL	45570	02/06/23 10:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/07/23 04:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45676	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45677	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/07/23 01:02	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45340	02/03/23 09:52	KS	EET MID
Soluble	Analysis	300.0		5			45399	02/03/23 18:38	CH	EET MID

Client Sample ID: C-6 , 4.1'
Date Collected: 02/02/23 13:47
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	45570	02/06/23 10:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/07/23 04:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45676	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45677	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/07/23 01:24	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	45340	02/03/23 09:52	KS	EET MID
Soluble	Analysis	300.0		1			45399	02/03/23 18:52	CH	EET MID

Client Sample ID: C-7 , 4.1'
Date Collected: 02/02/23 13:50
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45570	02/06/23 10:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/07/23 04:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45676	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45677	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/07/23 02:07	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Client Sample ID: C-7 , 4.1'

Date Collected: 02/02/23 13:50
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	45340	02/03/23 09:52	KS	EET MID
Soluble	Analysis	300.0		5			45399	02/03/23 18:57	CH	EET MID

Client Sample ID: C-8 , 3.5'

Date Collected: 02/02/23 13:52
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	45570	02/06/23 10:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/07/23 05:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45676	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45677	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/07/23 02:28	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45340	02/03/23 09:52	KS	EET MID
Soluble	Analysis	300.0		5			45399	02/03/23 19:02	CH	EET MID

Client Sample ID: C-9 , 4.1'

Date Collected: 02/02/23 13:53
Date Received: 02/03/23 09:23

Lab Sample ID: 880-24284-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45570	02/06/23 10:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/07/23 05:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45676	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45677	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/07/23 02:50	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45340	02/03/23 09:52	KS	EET MID
Soluble	Analysis	300.0		5			45399	02/03/23 19:06	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

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: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

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: Salado 29 26 33

Job ID: 880-24284-1
SDG: 20-0107-08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24284-1	C-1 , 2'	Solid	02/02/23 13:14	02/03/23 09:23
880-24284-2	C-2 , 0-2'	Solid	02/02/23 13:16	02/03/23 09:23
880-24284-3	C-3 , 4.1'	Solid	02/02/23 13:40	02/03/23 09:23
880-24284-4	C-4 , 3.5'	Solid	02/02/23 13:42	02/03/23 09:23
880-24284-5	C-5 , 4.1'	Solid	02/02/23 13:44	02/03/23 09:23
880-24284-6	C-6 , 4.1'	Solid	02/02/23 13:47	02/03/23 09:23
880-24284-7	C-7 , 4.1'	Solid	02/02/23 13:50	02/03/23 09:23
880-24284-8	C-8 , 3.5'	Solid	02/02/23 13:52	02/03/23 09:23
880-24284-9	C-9 , 4.1'	Solid	02/02/23 13:53	02/03/23 09:23

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24284

No. 2679

CHAIN-OF-CUSTODY

(Rev. 2/8/2023)

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

DATE: 2/2/2023 PAGE 1 OF 1

PO#: _____ LAB WORK ORDER#: _____

PROJECT LOCATION OR NAME Salado 29 26 33

LAI PROJECT #. 20-0102-08 COLLECTOR. RN

Data Reported to MARK LARSON / ROBERT NELSON

TRRP report? ☐ Yes ☑ No

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

TIME ZONE
Time zone/State
MST/NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☑ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☑	DIESEL - MOD 8015 ☑	OIL - MOD 8015 ☑	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☑ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-1, 2'		2/2/23	1319	S	1				X		X		X	X	X												X		2a
C-2, 0-2'			1316																										
C-3, 4.1'			1340																										
C-4, 3.5'			1342																										
C-5, 4.1			1344																										
C-6, 4.1			1347																										
C-7, 4.1'			1350																										
C-8, 3.5'			1352																										
C-9, 4.1			1353																										

TOTAL

880-24284 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
[signature]	2/3/23 9:23	[signature]
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 0510 2 THERM#: IR8 -30
CUSTODY SEALS - ☐ BROKEN ☑ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

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Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-24284-1
SDG Number: 20-0107-08

Login Number: 24284
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/9/2023 9:18:32 AM

JOB DESCRIPTION

Salado 29 26 33
SDG NUMBER 20-0107-08

JOB NUMBER

880-24450-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 11/14/2023 1:06:35 PM

my EOL

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

Generated
2/9/2023 9:18:32 AM

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

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-24450-1
Project/Site: Salado 29 26 33 SDG: 20-0107-08

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

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: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Job ID: 880-24450-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-24450-1

Receipt
The samples were received on 2/8/2023 8:44 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-10, 3.5' (880-24450-1), C-11, 3' (880-24450-2), C-12, 3' (880-24450-3), C-13, 3.5' (880-24450-4), C-14, 4.1' (880-24450-5), C-15, 4.1' (880-24450-6), C16-, 4.1' (880-24450-7), C-17, 4.1' (880-24450-8), C-18, 0-3' (880-24450-9), C-19, 0-4.1' (880-24450-10), C-20, 0-4.1' (880-24450-11), C-21, 0-4.1' (880-24450-12), C-22, 0-3.5' (880-24450-13) and C-23, 0-4.1' (880-24450-14).

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-45739 and 880-45763 and analytical batch 880-45729 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-10, 3.5'

Date Collected: 02/07/23 08:50
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 16:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 16:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 16:21	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/08/23 08:59	02/08/23 16:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 16:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/08/23 08:59	02/08/23 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*02/08/23 08:59*	*02/08/23 16:21*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/08/23 08:59*	*02/08/23 16:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/09/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**463**		49.9		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9		mg/Kg		02/08/23 08:39	02/08/23 11:15	1
Diesel Range Organics (Over C10-C28)	**381**	**F1**	49.9		mg/Kg		02/08/23 08:39	02/08/23 11:15	1
Oil Range Organics (Over C28-C36)	**82.0**		49.9		mg/Kg		02/08/23 08:39	02/08/23 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*02/08/23 08:39*	*02/08/23 11:15*	*1*
o-Terphenyl (Surr)	*109*		*70 - 130*	*02/08/23 08:39*	*02/08/23 11:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2230**		25.1		mg/Kg			02/08/23 16:13	5

Client Sample ID: C-11, 3'

Date Collected: 02/07/23 08:55
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/08/23 08:59	02/08/23 16:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/23 08:59	02/08/23 16:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/23 08:59	02/08/23 16:42	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/23 08:59	02/08/23 16:42	1
o-Xylene	**0.00377**		0.00199		mg/Kg		02/08/23 08:59	02/08/23 16:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/08/23 08:59	02/08/23 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/08/23 08:59*	*02/08/23 16:42*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/08/23 08:59*	*02/08/23 16:42*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-11, 3'

Date Collected: 02/07/23 08:55
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-2
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			02/09/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**69.6**		49.9		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 12:19	1
Diesel Range Organics (Over C10-C28)	**69.6**		49.9		mg/Kg		02/08/23 08:39	02/08/23 12:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)				*02/08/23 08:39*	*02/08/23 12:19*	*1*
o-Terphenyl (Surr)				*02/08/23 08:39*	*02/08/23 12:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1420**		25.1		mg/Kg			02/08/23 16:32	5

Client Sample ID: C-12, 3'

Date Collected: 02/07/23 09:00
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/08/23 08:59	02/08/23 17:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/23 08:59	02/08/23 17:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/23 08:59	02/08/23 17:02	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/23 08:59	02/08/23 17:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/23 08:59	02/08/23 17:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/08/23 08:59	02/08/23 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/08/23 08:59*	*02/08/23 17:02*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*02/08/23 08:59*	*02/08/23 17:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/09/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/23 08:39	02/08/23 12:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/23 08:39	02/08/23 12:40	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-12, 3'

Date Collected: 02/07/23 09:00
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-3
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)	<50.0	U	50.0		mg/Kg		02/08/23 08:39	02/08/23 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)				*02/08/23 08:39*	*02/08/23 12:40*	*1*
o-Terphenyl (Surr)				*02/08/23 08:39*	*02/08/23 12:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**706**		4.97		mg/Kg			02/08/23 16:37	1

Client Sample ID: C-13, 3.5'

Date Collected: 02/07/23 09:05
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 17:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 17:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 17:23	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/23 08:59	02/08/23 17:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 17:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/08/23 08:59	02/08/23 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/08/23 08:59*	*02/08/23 17:23*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*02/08/23 08:59*	*02/08/23 17:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/09/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**85.8**		49.9		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 13:30	1
Diesel Range Organics (Over C10-C28)	**85.8**		49.9		mg/Kg		02/08/23 08:39	02/08/23 13:30	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)				*02/08/23 08:39*	*02/08/23 13:30*	*1*
o-Terphenyl (Surr)				*02/08/23 08:39*	*02/08/23 13:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**485**		4.99		mg/Kg			02/08/23 16:41	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-14, 4.1'

Date Collected: 02/07/23 09:10
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/08/23 08:59	02/08/23 17:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/23 08:59	02/08/23 17:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/23 08:59	02/08/23 17:43	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/08/23 08:59	02/08/23 17:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/23 08:59	02/08/23 17:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/08/23 08:59	02/08/23 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*02/08/23 08:59*	*02/08/23 17:43*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/08/23 08:59*	*02/08/23 17:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/09/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**65.7**		49.9		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 14:38	1
Diesel Range Organics (Over C10-C28)	**65.7**		49.9		mg/Kg		02/08/23 08:39	02/08/23 14:38	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)				*02/08/23 08:39*	*02/08/23 14:38*	*1*
o-Terphenyl (Surr)				*02/08/23 08:39*	*02/08/23 14:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1390**		25.0		mg/Kg			02/08/23 16:46	5

Client Sample ID: C-15, 4.1'

Date Collected: 02/07/23 09:15
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 18:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 18:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 18:04	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/08/23 08:59	02/08/23 18:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 18:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/08/23 08:59	02/08/23 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/08/23 08:59*	*02/08/23 18:04*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/08/23 08:59*	*02/08/23 18:04*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-15, 4.1'

Date Collected: 02/07/23 09:15
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/09/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 14:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 14:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)				*02/08/23 08:39*	*02/08/23 14:58*	*1*
o-Terphenyl (Surr)				*02/08/23 08:39*	*02/08/23 14:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**693**		25.0		mg/Kg			02/08/23 16:51	5

Client Sample ID: C16-, 4.1'

Date Collected: 02/07/23 09:20
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/08/23 08:59	02/08/23 18:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/23 08:59	02/08/23 18:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/23 08:59	02/08/23 18:24	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/23 08:59	02/08/23 18:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/23 08:59	02/08/23 18:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/08/23 08:59	02/08/23 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/08/23 08:59*	*02/08/23 18:24*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*02/08/23 08:59*	*02/08/23 18:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/09/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 15:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 15:24	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C16-, 4.1'

Date Collected: 02/07/23 09:20
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)				*02/08/23 08:39*	*02/08/23 15:24*	*1*
o-Terphenyl (Surr)				*02/08/23 08:39*	*02/08/23 15:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**319**		4.97		mg/Kg			02/08/23 16:55	1

Client Sample ID: C-17, 4.1'

Date Collected: 02/07/23 09:25
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 18:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 18:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 18:45	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/08/23 08:59	02/08/23 18:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 18:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/08/23 08:59	02/08/23 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/08/23 08:59*	*02/08/23 18:45*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*02/08/23 08:59*	*02/08/23 18:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/09/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/23 08:39	02/08/23 15:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/23 08:39	02/08/23 15:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/23 08:39	02/08/23 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)				*02/08/23 08:39*	*02/08/23 15:45*	*1*
o-Terphenyl (Surr)				*02/08/23 08:39*	*02/08/23 15:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1760**		25.3		mg/Kg			02/08/23 17:09	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-18, 0-3'

Lab Sample ID: 880-24450-9
Matrix: Solid
Date Collected: 02/07/23 09:30
Date Received: 02/08/23 08:44

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/08/23 08:59	02/08/23 19:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/23 08:59	02/08/23 19:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/23 08:59	02/08/23 19:05	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/08/23 08:59	02/08/23 19:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/23 08:59	02/08/23 19:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/08/23 08:59	02/08/23 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/08/23 08:59*	*02/08/23 19:05*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*02/08/23 08:59*	*02/08/23 19:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/09/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 16:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 16:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)				*02/08/23 08:39*	*02/08/23 16:06*	*1*
o-Terphenyl (Surr)				*02/08/23 08:39*	*02/08/23 16:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**287**		5.00		mg/Kg			02/08/23 17:14	1

Client Sample ID: C-19, 0-4.1'

Lab Sample ID: 880-24450-10
Matrix: Solid
Date Collected: 02/07/23 09:35
Date Received: 02/08/23 08:44

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/08/23 08:59	02/08/23 19:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/23 08:59	02/08/23 19:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/23 08:59	02/08/23 19:26	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/08/23 08:59	02/08/23 19:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/23 08:59	02/08/23 19:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/08/23 08:59	02/08/23 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/08/23 08:59*	*02/08/23 19:26*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/08/23 08:59*	*02/08/23 19:26*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-19, 0-4.1'

Date Collected: 02/07/23 09:35
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-10
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			02/09/23 10:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 16:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 16:27	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)				*02/08/23 08:39*	*02/08/23 16:27*	*1*
o-Terphenyl (Surr)				*02/08/23 08:39*	*02/08/23 16:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**477**		4.98		mg/Kg			02/08/23 17:28	1

Client Sample ID: C-20, 0-4.1'

Date Collected: 02/07/23 09:40
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/23 13:14	02/08/23 16:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/23 13:14	02/08/23 16:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/23 13:14	02/08/23 16:41	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/23 13:14	02/08/23 16:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/23 13:14	02/08/23 16:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/08/23 13:14	02/08/23 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/08/23 13:14*	*02/08/23 16:41*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/08/23 13:14*	*02/08/23 16:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/09/23 09:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**105**		49.9		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 17:31	1
Diesel Range Organics (Over C10-C28)	**105**		49.9		mg/Kg		02/08/23 08:39	02/08/23 17:31	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-20, 0-4.1'

Date Collected: 02/07/23 09:40
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-11

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		02/08/23 08:39	02/08/23 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)				*02/08/23 08:39*	*02/08/23 17:31*	*1*
o-Terphenyl (Surr)				*02/08/23 08:39*	*02/08/23 17:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3730**		50.2		mg/Kg			02/08/23 17:32	10

Client Sample ID: C-21, 0-4.1'

Date Collected: 02/07/23 09:45
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-12

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/23 13:14	02/08/23 17:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/23 13:14	02/08/23 17:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/23 13:14	02/08/23 17:02	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/23 13:14	02/08/23 17:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/23 13:14	02/08/23 17:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/08/23 13:14	02/08/23 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/08/23 13:14*	*02/08/23 17:02*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/08/23 13:14*	*02/08/23 17:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/09/23 09:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**110**		49.9		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 17:52	1
Diesel Range Organics (Over C10-C28)	**110**		49.9		mg/Kg		02/08/23 08:39	02/08/23 17:52	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)				*02/08/23 08:39*	*02/08/23 17:52*	*1*
o-Terphenyl (Surr)				*02/08/23 08:39*	*02/08/23 17:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2450**		24.9		mg/Kg			02/08/23 17:37	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-22, 0-3.5'

Date Collected: 02/07/23 09:50
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/08/23 13:14	02/08/23 17:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/23 13:14	02/08/23 17:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/23 13:14	02/08/23 17:23	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/23 13:14	02/08/23 17:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/23 13:14	02/08/23 17:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/08/23 13:14	02/08/23 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/08/23 13:14*	*02/08/23 17:23*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/08/23 13:14*	*02/08/23 17:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/09/23 09:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/23 08:39	02/08/23 18:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/23 08:39	02/08/23 18:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/23 08:39	02/08/23 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)				*02/08/23 08:39*	*02/08/23 18:13*	*1*
o-Terphenyl (Surr)				*02/08/23 08:39*	*02/08/23 18:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**863**		4.96		mg/Kg			02/08/23 17:42	1

Client Sample ID: C-23, 0-4.1'

Date Collected: 02/07/23 09:55
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/08/23 13:14	02/08/23 17:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/23 13:14	02/08/23 17:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/23 13:14	02/08/23 17:43	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/08/23 13:14	02/08/23 17:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/23 13:14	02/08/23 17:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/08/23 13:14	02/08/23 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*02/08/23 13:14*	*02/08/23 17:43*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/08/23 13:14*	*02/08/23 17:43*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-23, 0-4.1'

Date Collected: 02/07/23 09:55
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-14

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/09/23 09:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/09/23 09:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	49.9		mg/Kg		02/08/23 10:22	02/08/23 22:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		02/08/23 10:22	02/08/23 22:27	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 10:22	02/08/23 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*02/08/23 10:22*	*02/08/23 22:27*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*02/08/23 10:22*	*02/08/23 22:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**814**		4.98		mg/Kg			02/08/23 17:46	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-24450-1	C-10, 3.5'	86	103
880-24450-2	C-11, 3'	101	78
880-24450-3	C-12, 3'	105	83
880-24450-4	C-13, 3.5'	105	69 S1-
880-24450-5	C-14, 4.1'	108	84
880-24450-6	C-15, 4.1'	110	78
880-24450-7	C16-, 4.1'	111	85
880-24450-8	C-17, 4.1'	110	82
880-24450-9	C-18, 0-3'	99	75
880-24450-10	C-19, 0-4.1'	109	88
880-24450-11	C-20, 0-4.1'	119	108
880-24450-12	C-21, 0-4.1'	119	109
880-24450-13	C-22, 0-3.5'	124	107
880-24450-14	C-23, 0-4.1'	126	105
LCS 880-45702/1-A	Lab Control Sample	84	95
LCS 880-45754/1-A	Lab Control Sample	123	95
LCSD 880-45702/2-A	Lab Control Sample Dup	86	96
LCSD 880-45754/2-A	Lab Control Sample Dup	119	92
MB 880-45702/5-A	Method Blank	90	93
MB 880-45754/5-A	Method Blank	73	93

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-24450-1	C-10, 3.5'	102	109
880-24450-1 MS	C-10, 3.5'	113	109
880-24450-1 MSD	C-10, 3.5'	113	105
880-24450-14	C-23, 0-4.1'	108	108
880-24450-14 MS	C-23, 0-4.1'	100	88
880-24450-14 MSD	C-23, 0-4.1'	113	102
LCS 880-45739/2-A	Lab Control Sample	114	110
LCS 880-45763/2-A	Lab Control Sample	120	113
LCSD 880-45739/3-A	Lab Control Sample Dup	120	112
LCSD 880-45763/3-A	Lab Control Sample Dup	121	110
MB 880-45739/1-A	Method Blank	123	133 S1+
MB 880-45763/1-A	Method Blank	136 S1+	139 S1+

Surrogate Legend

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

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-24450-1
Project/Site: Salado 29 26 33 SDG: 20-0107-08

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
		1CO1	OTPH1						
Lab Sample ID	Client Sample ID								
880-24450-2	C-11, 3'								
880-24450-3	C-12, 3'								
880-24450-4	C-13, 3.5'								
880-24450-5	C-14, 4.1'								
880-24450-6	C-15, 4.1'								
880-24450-7	C16-, 4.1'								
880-24450-8	C-17, 4.1'								
880-24450-9	C-18, 0-3'								
880-24450-10	C-19, 0-4.1'								
880-24450-11	C-20, 0-4.1'								
880-24450-12	C-21, 0-4.1'								
880-24450-13	C-22, 0-3.5'								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45702/5-A
Matrix: Solid
Analysis Batch: 45737

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45702

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/23 13:14	02/08/23 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/23 13:14	02/08/23 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/23 13:14	02/08/23 11:26	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/07/23 13:14	02/08/23 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/23 13:14	02/08/23 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/07/23 13:14	02/08/23 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*02/07/23 13:14*	*02/08/23 11:26*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/07/23 13:14*	*02/08/23 11:26*	*1*

Lab Sample ID: LCS 880-45702/1-A
Matrix: Solid
Analysis Batch: 45737

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45702

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09640		mg/Kg		96	70 - 130		
Toluene			0.100	0.09047		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.07860		mg/Kg		79	70 - 130		
m,p-Xylenes			0.200	0.1564		mg/Kg		78	70 - 130		
o-Xylene			0.100	0.07917		mg/Kg		79	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-45702/2-A
Matrix: Solid
Analysis Batch: 45737

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45702

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09815		mg/Kg		98	70 - 130	2	35
Toluene			0.100	0.09182		mg/Kg		92	70 - 130	1	35
Ethylbenzene			0.100	0.08057		mg/Kg		81	70 - 130	2	35
m,p-Xylenes			0.200	0.1600		mg/Kg		80	70 - 130	2	35
o-Xylene			0.100	0.08143		mg/Kg		81	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 880-45754/5-A
Matrix: Solid
Analysis Batch: 45738

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45754

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 11:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 11:33	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

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

Lab Sample ID: MB 880-45754/5-A
Matrix: Solid
Analysis Batch: 45738

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45754

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 11:33	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/08/23 08:59	02/08/23 11:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/23 08:59	02/08/23 11:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/08/23 08:59	02/08/23 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*02/08/23 08:59*	*02/08/23 11:33*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/08/23 08:59*	*02/08/23 11:33*	*1*

Lab Sample ID: LCS 880-45754/1-A
Matrix: Solid
Analysis Batch: 45738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45754

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08494		mg/Kg		85	70 - 130		
Toluene			0.100	0.09649		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.1117		mg/Kg		112	70 - 130		
m,p-Xylenes			0.200	0.2422		mg/Kg		121	70 - 130		
o-Xylene			0.100	0.1214		mg/Kg		121	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-45754/2-A
Matrix: Solid
Analysis Batch: 45738

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45754

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08615		mg/Kg		86	70 - 130	1	35
Toluene			0.100	0.09605		mg/Kg		96	70 - 130	0	35
Ethylbenzene			0.100	0.1085		mg/Kg		109	70 - 130	3	35
m,p-Xylenes			0.200	0.2335		mg/Kg		117	70 - 130	4	35
o-Xylene			0.100	0.1156		mg/Kg		116	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

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

Lab Sample ID: MB 880-45739/1-A
Matrix: Solid
Analysis Batch: 45729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45739

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 08:39	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

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

Lab Sample ID: MB 880-45739/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45729 — **Prep Batch: 45739**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 08:39	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 08:39	02/08/23 08:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*123*		*70 - 130*	*02/08/23 08:39*	*02/08/23 08:39*	*1*
o-Terphenyl (Surr)	*133*	*S1+*	*70 - 130*	*02/08/23 08:39*	*02/08/23 08:39*	*1*

Lab Sample ID: LCS 880-45739/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45729 — **Prep Batch: 45739**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			999	832.3		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			999	863.7		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*114*		*70 - 130*
o-Terphenyl (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-45739/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45729 — **Prep Batch: 45739**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			999	844.6		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			999	898.1		mg/Kg		90	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*120*		*70 - 130*
o-Terphenyl (Surr)	*112*		*70 - 130*

Lab Sample ID: 880-24450-1 MS — **Client Sample ID: C-10, 3.5'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45729 — **Prep Batch: 45739**

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 F2	1000	727.1		mg/Kg		71	70 - 130		
Diesel Range Organics (Over C10-C28)	381	F1	1000	842.5	F1	mg/Kg		46	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*113*		*70 - 130*
o-Terphenyl (Surr)	*109*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

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

Lab Sample ID: 880-24450-1 MSD
Matrix: Solid
Analysis Batch: 45729

Client Sample ID: C-10, 3.5'
Prep Type: Total/NA
Prep Batch: 45739

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 F2	997	1227	F2	mg/Kg		121	70 - 130	51	20
Diesel Range Organics (Over C10-C28)	381	F1	997	735.9	F1	mg/Kg		36	70 - 130	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*113*		*70 - 130*
o-Terphenyl (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-45763/1-A
Matrix: Solid
Analysis Batch: 45729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45763

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		02/08/23 10:22	02/08/23 21:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/23 10:22	02/08/23 21:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/23 10:22	02/08/23 21:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*136*	*S1+*	*70 - 130*	*02/08/23 10:22*	*02/08/23 21:23*	*1*
o-Terphenyl (Surr)	*139*	*S1+*	*70 - 130*	*02/08/23 10:22*	*02/08/23 21:23*	*1*

Lab Sample ID: LCS 880-45763/2-A
Matrix: Solid
Analysis Batch: 45729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45763

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	852.5		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	939.4		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*120*		*70 - 130*
o-Terphenyl (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-45763/3-A
Matrix: Solid
Analysis Batch: 45729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45763

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	859.7		mg/Kg		86	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	922.4		mg/Kg		92	70 - 130	2	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

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

Lab Sample ID: LCSD 880-45763/3-A
Matrix: Solid
Analysis Batch: 45729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45763

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	121		70 - 130
o-Terphenyl (Surr)	110		70 - 130

Lab Sample ID: 880-24450-14 MS
Matrix: Solid
Analysis Batch: 45729

Client Sample ID: C-23, 0-4.1'
Prep Type: Total/NA
Prep Batch: 45763

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 F1 F2	999	684.7	F1	mg/Kg		67	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	693.6	F1	mg/Kg		67	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	100		70 - 130
o-Terphenyl (Surr)	88		70 - 130

Lab Sample ID: 880-24450-14 MSD
Matrix: Solid
Analysis Batch: 45729

Client Sample ID: C-23, 0-4.1'
Prep Type: Total/NA
Prep Batch: 45763

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 F1 F2	999	1045	F2	mg/Kg		103	70 - 130	42	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	806.9		mg/Kg		78	70 - 130	15	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	102		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45755/1-A
Matrix: Solid
Analysis Batch: 45812

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/08/23 15:18	1

Lab Sample ID: LCS 880-45755/2-A
Matrix: Solid
Analysis Batch: 45812

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	239.9		mg/Kg		96	90 - 110

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-45755/3-A
Matrix: Solid
Analysis Batch: 45812

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	240.4		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-24450-7 MS
Matrix: Solid
Analysis Batch: 45812

Client Sample ID: C16-, 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	319		249	559.0		mg/Kg		97	90 - 110		

Lab Sample ID: 880-24450-7 MSD
Matrix: Solid
Analysis Batch: 45812

Client Sample ID: C16-, 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	319		249	560.3		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

GC VOA

Prep Batch: 45702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-11	C-20, 0-4.1'	Total/NA	Solid	5035	
880-24450-12	C-21, 0-4.1'	Total/NA	Solid	5035	
880-24450-13	C-22, 0-3.5'	Total/NA	Solid	5035	
880-24450-14	C-23, 0-4.1'	Total/NA	Solid	5035	
MB 880-45702/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45702/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45702/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 45737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-11	C-20, 0-4.1'	Total/NA	Solid	8021B	45702
880-24450-12	C-21, 0-4.1'	Total/NA	Solid	8021B	45702
880-24450-13	C-22, 0-3.5'	Total/NA	Solid	8021B	45702
880-24450-14	C-23, 0-4.1'	Total/NA	Solid	8021B	45702
MB 880-45702/5-A	Method Blank	Total/NA	Solid	8021B	45702
LCS 880-45702/1-A	Lab Control Sample	Total/NA	Solid	8021B	45702
LCSD 880-45702/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45702

Analysis Batch: 45738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-1	C-10, 3.5'	Total/NA	Solid	8021B	45754
880-24450-2	C-11, 3'	Total/NA	Solid	8021B	45754
880-24450-3	C-12, 3'	Total/NA	Solid	8021B	45754
880-24450-4	C-13, 3.5'	Total/NA	Solid	8021B	45754
880-24450-5	C-14, 4.1'	Total/NA	Solid	8021B	45754
880-24450-6	C-15, 4.1'	Total/NA	Solid	8021B	45754
880-24450-7	C16-, 4.1'	Total/NA	Solid	8021B	45754
880-24450-8	C-17, 4.1'	Total/NA	Solid	8021B	45754
880-24450-9	C-18, 0-3'	Total/NA	Solid	8021B	45754
880-24450-10	C-19, 0-4.1'	Total/NA	Solid	8021B	45754
MB 880-45754/5-A	Method Blank	Total/NA	Solid	8021B	45754
LCS 880-45754/1-A	Lab Control Sample	Total/NA	Solid	8021B	45754
LCSD 880-45754/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45754

Prep Batch: 45754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-1	C-10, 3.5'	Total/NA	Solid	5035	
880-24450-2	C-11, 3'	Total/NA	Solid	5035	
880-24450-3	C-12, 3'	Total/NA	Solid	5035	
880-24450-4	C-13, 3.5'	Total/NA	Solid	5035	
880-24450-5	C-14, 4.1'	Total/NA	Solid	5035	
880-24450-6	C-15, 4.1'	Total/NA	Solid	5035	
880-24450-7	C16-, 4.1'	Total/NA	Solid	5035	
880-24450-8	C-17, 4.1'	Total/NA	Solid	5035	
880-24450-9	C-18, 0-3'	Total/NA	Solid	5035	
880-24450-10	C-19, 0-4.1'	Total/NA	Solid	5035	
MB 880-45754/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45754/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45754/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

GC VOA

Analysis Batch: 45879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-1	C-10, 3.5'	Total/NA	Solid	Total BTEX	
880-24450-2	C-11, 3'	Total/NA	Solid	Total BTEX	
880-24450-3	C-12, 3'	Total/NA	Solid	Total BTEX	
880-24450-4	C-13, 3.5'	Total/NA	Solid	Total BTEX	
880-24450-5	C-14, 4.1'	Total/NA	Solid	Total BTEX	
880-24450-6	C-15, 4.1'	Total/NA	Solid	Total BTEX	
880-24450-7	C16-, 4.1'	Total/NA	Solid	Total BTEX	
880-24450-8	C-17, 4.1'	Total/NA	Solid	Total BTEX	
880-24450-9	C-18, 0-3'	Total/NA	Solid	Total BTEX	
880-24450-10	C-19, 0-4.1'	Total/NA	Solid	Total BTEX	
880-24450-11	C-20, 0-4.1'	Total/NA	Solid	Total BTEX	
880-24450-12	C-21, 0-4.1'	Total/NA	Solid	Total BTEX	
880-24450-13	C-22, 0-3.5'	Total/NA	Solid	Total BTEX	
880-24450-14	C-23, 0-4.1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 45729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-1	C-10, 3.5'	Total/NA	Solid	8015B NM	45739
880-24450-2	C-11, 3'	Total/NA	Solid	8015B NM	45739
880-24450-3	C-12, 3'	Total/NA	Solid	8015B NM	45739
880-24450-4	C-13, 3.5'	Total/NA	Solid	8015B NM	45739
880-24450-5	C-14, 4.1'	Total/NA	Solid	8015B NM	45739
880-24450-6	C-15, 4.1'	Total/NA	Solid	8015B NM	45739
880-24450-7	C16-, 4.1'	Total/NA	Solid	8015B NM	45739
880-24450-8	C-17, 4.1'	Total/NA	Solid	8015B NM	45739
880-24450-9	C-18, 0-3'	Total/NA	Solid	8015B NM	45739
880-24450-10	C-19, 0-4.1'	Total/NA	Solid	8015B NM	45739
880-24450-11	C-20, 0-4.1'	Total/NA	Solid	8015B NM	45739
880-24450-12	C-21, 0-4.1'	Total/NA	Solid	8015B NM	45739
880-24450-13	C-22, 0-3.5'	Total/NA	Solid	8015B NM	45739
880-24450-14	C-23, 0-4.1'	Total/NA	Solid	8015B NM	45763
MB 880-45739/1-A	Method Blank	Total/NA	Solid	8015B NM	45739
MB 880-45763/1-A	Method Blank	Total/NA	Solid	8015B NM	45763
LCS 880-45739/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45739
LCS 880-45763/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45763
LCSD 880-45739/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45739
LCSD 880-45763/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45763
880-24450-1 MS	C-10, 3.5'	Total/NA	Solid	8015B NM	45739
880-24450-1 MSD	C-10, 3.5'	Total/NA	Solid	8015B NM	45739
880-24450-14 MS	C-23, 0-4.1'	Total/NA	Solid	8015B NM	45763
880-24450-14 MSD	C-23, 0-4.1'	Total/NA	Solid	8015B NM	45763

Prep Batch: 45739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-1	C-10, 3.5'	Total/NA	Solid	8015NM Prep	
880-24450-2	C-11, 3'	Total/NA	Solid	8015NM Prep	
880-24450-3	C-12, 3'	Total/NA	Solid	8015NM Prep	
880-24450-4	C-13, 3.5'	Total/NA	Solid	8015NM Prep	
880-24450-5	C-14, 4.1'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

GC Semi VOA (Continued)

Prep Batch: 45739 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-6	C-15, 4.1'	Total/NA	Solid	8015NM Prep	
880-24450-7	C16-, 4.1'	Total/NA	Solid	8015NM Prep	
880-24450-8	C-17, 4.1'	Total/NA	Solid	8015NM Prep	
880-24450-9	C-18, 0-3'	Total/NA	Solid	8015NM Prep	
880-24450-10	C-19, 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24450-11	C-20, 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24450-12	C-21, 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24450-13	C-22, 0-3.5'	Total/NA	Solid	8015NM Prep	
MB 880-45739/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45739/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45739/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24450-1 MS	C-10, 3.5'	Total/NA	Solid	8015NM Prep	
880-24450-1 MSD	C-10, 3.5'	Total/NA	Solid	8015NM Prep	

Prep Batch: 45763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-14	C-23, 0-4.1'	Total/NA	Solid	8015NM Prep	
MB 880-45763/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45763/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45763/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24450-14 MS	C-23, 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24450-14 MSD	C-23, 0-4.1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-1	C-10, 3.5'	Total/NA	Solid	8015 NM	
880-24450-2	C-11, 3'	Total/NA	Solid	8015 NM	
880-24450-3	C-12, 3'	Total/NA	Solid	8015 NM	
880-24450-4	C-13, 3.5'	Total/NA	Solid	8015 NM	
880-24450-5	C-14, 4.1'	Total/NA	Solid	8015 NM	
880-24450-6	C-15, 4.1'	Total/NA	Solid	8015 NM	
880-24450-7	C16-, 4.1'	Total/NA	Solid	8015 NM	
880-24450-8	C-17, 4.1'	Total/NA	Solid	8015 NM	
880-24450-9	C-18, 0-3'	Total/NA	Solid	8015 NM	
880-24450-10	C-19, 0-4.1'	Total/NA	Solid	8015 NM	
880-24450-11	C-20, 0-4.1'	Total/NA	Solid	8015 NM	
880-24450-12	C-21, 0-4.1'	Total/NA	Solid	8015 NM	
880-24450-13	C-22, 0-3.5'	Total/NA	Solid	8015 NM	
880-24450-14	C-23, 0-4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 45755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-1	C-10, 3.5'	Soluble	Solid	DI Leach	
880-24450-2	C-11, 3'	Soluble	Solid	DI Leach	
880-24450-3	C-12, 3'	Soluble	Solid	DI Leach	
880-24450-4	C-13, 3.5'	Soluble	Solid	DI Leach	
880-24450-5	C-14, 4.1'	Soluble	Solid	DI Leach	
880-24450-6	C-15, 4.1'	Soluble	Solid	DI Leach	
880-24450-7	C16-, 4.1'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

HPLC/IC (Continued)

Leach Batch: 45755 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-8	C-17, 4.1'	Soluble	Solid	DI Leach	
880-24450-9	C-18, 0-3'	Soluble	Solid	DI Leach	
880-24450-10	C-19, 0-4.1'	Soluble	Solid	DI Leach	
880-24450-11	C-20, 0-4.1'	Soluble	Solid	DI Leach	
880-24450-12	C-21, 0-4.1'	Soluble	Solid	DI Leach	
880-24450-13	C-22, 0-3.5'	Soluble	Solid	DI Leach	
880-24450-14	C-23, 0-4.1'	Soluble	Solid	DI Leach	
MB 880-45755/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45755/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45755/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24450-7 MS	C16-, 4.1'	Soluble	Solid	DI Leach	
880-24450-7 MSD	C16-, 4.1'	Soluble	Solid	DI Leach	

Analysis Batch: 45812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24450-1	C-10, 3.5'	Soluble	Solid	300.0	45755
880-24450-2	C-11, 3'	Soluble	Solid	300.0	45755
880-24450-3	C-12, 3'	Soluble	Solid	300.0	45755
880-24450-4	C-13, 3.5'	Soluble	Solid	300.0	45755
880-24450-5	C-14, 4.1'	Soluble	Solid	300.0	45755
880-24450-6	C-15, 4.1'	Soluble	Solid	300.0	45755
880-24450-7	C16-, 4.1'	Soluble	Solid	300.0	45755
880-24450-8	C-17, 4.1'	Soluble	Solid	300.0	45755
880-24450-9	C-18, 0-3'	Soluble	Solid	300.0	45755
880-24450-10	C-19, 0-4.1'	Soluble	Solid	300.0	45755
880-24450-11	C-20, 0-4.1'	Soluble	Solid	300.0	45755
880-24450-12	C-21, 0-4.1'	Soluble	Solid	300.0	45755
880-24450-13	C-22, 0-3.5'	Soluble	Solid	300.0	45755
880-24450-14	C-23, 0-4.1'	Soluble	Solid	300.0	45755
MB 880-45755/1-A	Method Blank	Soluble	Solid	300.0	45755
LCS 880-45755/2-A	Lab Control Sample	Soluble	Solid	300.0	45755
LCSD 880-45755/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45755
880-24450-7 MS	C16-, 4.1'	Soluble	Solid	300.0	45755
880-24450-7 MSD	C16-, 4.1'	Soluble	Solid	300.0	45755

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-10, 3.5'

Lab Sample ID: 880-24450-1
Matrix: Solid
Date Collected: 02/07/23 08:50
Date Received: 02/08/23 08:44

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	45754	02/08/23 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45738	02/08/23 16:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 10:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 11:15	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		5			45812	02/08/23 16:13	CH	EET MID

Client Sample ID: C-11, 3'

Lab Sample ID: 880-24450-2
Matrix: Solid
Date Collected: 02/07/23 08:55
Date Received: 02/08/23 08:44

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	45754	02/08/23 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45738	02/08/23 16:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 10:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 12:19	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		5			45812	02/08/23 16:32	CH	EET MID

Client Sample ID: C-12, 3'

Lab Sample ID: 880-24450-3
Matrix: Solid
Date Collected: 02/07/23 09:00
Date Received: 02/08/23 08:44

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	45754	02/08/23 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45738	02/08/23 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 10:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 12:40	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		1			45812	02/08/23 16:37	CH	EET MID

Client Sample ID: C-13, 3.5'

Lab Sample ID: 880-24450-4
Matrix: Solid
Date Collected: 02/07/23 09:05
Date Received: 02/08/23 08:44

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	45754	02/08/23 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45738	02/08/23 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 10:09	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-13, 3.5'

Lab Sample ID: 880-24450-4
Matrix: Solid
Date Collected: 02/07/23 09:05
Date Received: 02/08/23 08:44

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			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 13:30	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		1			45812	02/08/23 16:41	CH	EET MID

Client Sample ID: C-14, 4.1'

Lab Sample ID: 880-24450-5
Matrix: Solid
Date Collected: 02/07/23 09:10
Date Received: 02/08/23 08:44

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	45754	02/08/23 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45738	02/08/23 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 10:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 14:38	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		5			45812	02/08/23 16:46	CH	EET MID

Client Sample ID: C-15, 4.1'

Lab Sample ID: 880-24450-6
Matrix: Solid
Date Collected: 02/07/23 09:15
Date Received: 02/08/23 08:44

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	45754	02/08/23 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45738	02/08/23 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 10:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 14:58	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		5			45812	02/08/23 16:51	CH	EET MID

Client Sample ID: C16-, 4.1'

Lab Sample ID: 880-24450-7
Matrix: Solid
Date Collected: 02/07/23 09:20
Date Received: 02/08/23 08:44

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	45754	02/08/23 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45738	02/08/23 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 10:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 15:24	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C16-, 4.1'

Lab Sample ID: 880-24450-7
Matrix: Solid
Date Collected: 02/07/23 09:20
Date Received: 02/08/23 08:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		1			45812	02/08/23 16:55	CH	EET MID

Client Sample ID: C-17, 4.1'

Lab Sample ID: 880-24450-8
Matrix: Solid
Date Collected: 02/07/23 09:25
Date Received: 02/08/23 08:44

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	45754	02/08/23 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45738	02/08/23 18:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 10:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 15:45	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		5			45812	02/08/23 17:09	CH	EET MID

Client Sample ID: C-18, 0-3'

Lab Sample ID: 880-24450-9
Matrix: Solid
Date Collected: 02/07/23 09:30
Date Received: 02/08/23 08:44

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	45754	02/08/23 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45738	02/08/23 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 10:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 16:06	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		1			45812	02/08/23 17:14	CH	EET MID

Client Sample ID: C-19, 0-4.1'

Lab Sample ID: 880-24450-10
Matrix: Solid
Date Collected: 02/07/23 09:35
Date Received: 02/08/23 08:44

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	45754	02/08/23 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45738	02/08/23 19:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 10:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 16:27	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		1			45812	02/08/23 17:28	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-20, 0-4.1'

Lab Sample ID: 880-24450-11
Matrix: Solid
Date Collected: 02/07/23 09:40
Date Received: 02/08/23 08:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	45702	02/08/23 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45737	02/08/23 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 17:31	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		10			45812	02/08/23 17:32	CH	EET MID

Client Sample ID: C-21, 0-4.1'

Lab Sample ID: 880-24450-12
Matrix: Solid
Date Collected: 02/07/23 09:45
Date Received: 02/08/23 08:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	45702	02/08/23 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45737	02/08/23 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 17:52	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		5			45812	02/08/23 17:37	CH	EET MID

Client Sample ID: C-22, 0-3.5'

Lab Sample ID: 880-24450-13
Matrix: Solid
Date Collected: 02/07/23 09:50
Date Received: 02/08/23 08:44

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	45702	02/08/23 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45737	02/08/23 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45739	02/08/23 08:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 18:13	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		1			45812	02/08/23 17:42	CH	EET MID

Client Sample ID: C-23, 0-4.1'

Lab Sample ID: 880-24450-14
Matrix: Solid
Date Collected: 02/07/23 09:55
Date Received: 02/08/23 08:44

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	45702	02/08/23 13:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45737	02/08/23 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45879	02/09/23 09:55	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Client Sample ID: C-23, 0-4.1'

Date Collected: 02/07/23 09:55
Date Received: 02/08/23 08:44

Lab Sample ID: 880-24450-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			45859	02/09/23 09:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45763	02/08/23 10:22	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45729	02/08/23 22:27	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	45755	02/08/23 14:45	KS	EET MID
Soluble	Analysis	300.0		1			45812	02/08/23 17:46	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

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: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

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: Salado 29 26 33

Job ID: 880-24450-1
SDG: 20-0107-08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24450-1	C-10, 3.5'	Solid	02/07/23 08:50	02/08/23 08:44
880-24450-2	C-11, 3'	Solid	02/07/23 08:55	02/08/23 08:44
880-24450-3	C-12, 3'	Solid	02/07/23 09:00	02/08/23 08:44
880-24450-4	C-13, 3.5'	Solid	02/07/23 09:05	02/08/23 08:44
880-24450-5	C-14, 4.1'	Solid	02/07/23 09:10	02/08/23 08:44
880-24450-6	C-15, 4.1'	Solid	02/07/23 09:15	02/08/23 08:44
880-24450-7	C16-, 4.1'	Solid	02/07/23 09:20	02/08/23 08:44
880-24450-8	C-17, 4.1'	Solid	02/07/23 09:25	02/08/23 08:44
880-24450-9	C-18, 0-3'	Solid	02/07/23 09:30	02/08/23 08:44
880-24450-10	C-19, 0-4.1'	Solid	02/07/23 09:35	02/08/23 08:44
880-24450-11	C-20, 0-4.1'	Solid	02/07/23 09:40	02/08/23 08:44
880-24450-12	C-21, 0-4.1'	Solid	02/07/23 09:45	02/08/23 08:44
880-24450-13	C-22, 0-3.5'	Solid	02/07/23 09:50	02/08/23 08:44
880-24450-14	C-23, 0-4.1'	Solid	02/07/23 09:55	02/08/23 08:44

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24450 No. 2876

CHAIN-OF-CUSTODY

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

DATE 2/7/2023 PAGE 1 OF 1

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME Salado 29 2S 33

LAI PROJECT # 20-0107-08 COLLECTOR RN

Data Reported to

TRRP report? ☐ Yes ☑ No

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

TIME ZONE
Time zone/State: MST/NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	FIELD NOTES
C-10, 3.5'		2/7/23	0850	S	1				X		202
C-11, 3'			0855								
C-12, 3'			0900								
C-13, 3.5'			0905								
C-14, 4.1'			0910								
C-15, 4.1'			0915								
C-16, 4.1'			0920								
C-17, 4.1'			0925								
C-18, 0-3'			0930								
C-19, 0-4.1'			0935								
C-20, 0-4.1'			0940								
C-21, 0-4.1'			0945								
C-22, 0-3.5'			0950								
C-23, 0-4.1'			0955								

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 ☐

X X X X X X

TOTAL 15

880-24450 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME 02/8 5:45	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 3.3/3.0 THERM# IR8 -30
CUSTODY SEALS - ☐ BROKEN ☑ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☑ HAND DELIVERED

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Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-24450-1
SDG Number: 20-0107-08

Login Number: 24450
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/22/2023 3:43:44 PM

JOB DESCRIPTION

Salado 29 26 33
SDG NUMBER 20-0107-08

JOB NUMBER

880-24914-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 11/14/2023 1:06:35 PM

my EOL

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

Generated
2/22/2023 3:43:44 PM

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

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Laboratory Job ID: 880-24914-1
SDG: 20-0107-08

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Eurofins Midland
2/22/2023

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-24914-1
Project/Site: Salado 29 26 33 SDG: 20-0107-08

Qualifiers

GC VOA

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

GC Semi VOA

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

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: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Job ID: 880-24914-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-24914-1

Receipt
The samples were received on 2/20/2023 9:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -8.4°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-48 , 4.1' (880-24914-1), C-38 , 4.1' (880-24914-2), C-37 , 4.1' (880-24914-3), C-36 , 4.1' (880-24914-4), C-35 , 4.1' (880-24914-5), C-34 , 4.1' (880-24914-6), C-33 , 4.1' (880-24914-7), C-32 , 4.1' (880-24914-8), C-31 , 4.1' (880-24914-9), C-30 , 4.1' (880-24914-10), C-29 , 2.1' (880-24914-11), C-28 , 2.1' (880-24914-12), C-27 , 2.1' (880-24914-13), C-26 , 2.1' (880-24914-14), C-25 , 2.1' (880-24914-15), C-24 , 2.1' (880-24914-16), C-39 , 4.1' (880-24914-17), C-40 , 4.1' (880-24914-18), C-44 , 4.1' (880-24914-19), C-45 , 4.1' (880-24914-20), C-47 , 4.1' (880-24914-21), C-43 , 4.1' (880-24914-22), C-46 , 4.1' (880-24914-23), C-42 , 4.1' (880-24914-24) and C-41 , 4.1' (880-24914-25).

The following samples were found to be frozen solid upon receipt by the laboratory. The samples and containers appeared to be intact. C-48 , 4.1' (880-24914-1), C-38 , 4.1' (880-24914-2), C-37 , 4.1' (880-24914-3), C-36 , 4.1' (880-24914-4), C-35 , 4.1' (880-24914-5), C-34 , 4.1' (880-24914-6), C-33 , 4.1' (880-24914-7), C-32 , 4.1' (880-24914-8), C-31 , 4.1' (880-24914-9), C-30 , 4.1' (880-24914-10), C-29 , 2.1' (880-24914-11), C-28 , 2.1' (880-24914-12), C-27 , 2.1' (880-24914-13), C-26 , 2.1' (880-24914-14), C-25 , 2.1' (880-24914-15), C-24 , 2.1' (880-24914-16), C-39 , 4.1' (880-24914-17), C-40 , 4.1' (880-24914-18), C-44 , 4.1' (880-24914-19), C-45 , 4.1' (880-24914-20), C-47 , 4.1' (880-24914-21), C-43 , 4.1' (880-24914-22), C-46 , 4.1' (880-24914-23), C-42 , 4.1' (880-24914-24) and C-41 , 4.1' (880-24914-25)

GC VOA
Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-46792 and analytical batch 880-46819 recovered outside control limits for the following analytes: m,p-Xylenes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-40 , 4.1' (880-24914-18). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-46842 and analytical batch 880-46820 recovered outside control limits for the following analytes: Toluene, Ethylbenzene and o-Xylene. Since only an LCS is required to be acceptable per the method, the data was qualified and reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCSD 880-46842/2-A), (880-24982-A-1-E MS) and (880-24982-A-1-F MSD). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-38 , 4.1' (880-24914-2). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-29 , 2.1' (880-24914-11). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-46800 and analytical batch 880-46679 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Job ID: 880-24914-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-48 , 4.1'

Date Collected: 02/16/23 10:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 16:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 16:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 16:28	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/20/23 15:19	02/21/23 16:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 16:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/20/23 15:19	02/21/23 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/20/23 15:19*	*02/21/23 16:28*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*02/20/23 15:19*	*02/21/23 16:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/21/23 16:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/20/23 22:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/20/23 22:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/20/23 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*02/20/23 16:50*	*02/20/23 22:15*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*02/20/23 16:50*	*02/20/23 22:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**160**		4.95		mg/Kg			02/20/23 20:29	1

Client Sample ID: C-38 , 4.1'

Date Collected: 02/16/23 08:15
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/20/23 15:19	02/21/23 16:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/20/23 15:19	02/21/23 16:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/20/23 15:19	02/21/23 16:49	1
m,p-Xylenes	<0.00397	U *+	0.00397		mg/Kg		02/20/23 15:19	02/21/23 16:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/20/23 15:19	02/21/23 16:49	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/20/23 15:19	02/21/23 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*02/20/23 15:19*	*02/21/23 16:49*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/20/23 15:19*	*02/21/23 16:49*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-38 , 4.1'

Date Collected: 02/16/23 08:15
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/20/23 23:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/20/23 23:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/20/23 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*02/20/23 16:50*	*02/20/23 23:21*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*02/20/23 16:50*	*02/20/23 23:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.92**		4.99		mg/Kg			02/20/23 20:46	1

Client Sample ID: C-37 , 4.1'

Date Collected: 02/16/23 08:00
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 17:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 17:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 17:09	1
m,p-Xylenes	<0.00400	U *+	0.00400		mg/Kg		02/20/23 15:19	02/21/23 17:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 17:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/20/23 15:19	02/21/23 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/20/23 15:19*	*02/21/23 17:09*	*1*
1,4-Difluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*02/20/23 15:19*	*02/21/23 17:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/20/23 23:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/20/23 23:42	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-37 , 4.1'

Date Collected: 02/16/23 08:00
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-3
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)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/20/23 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*02/20/23 16:50*	*02/20/23 23:42*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*02/20/23 16:50*	*02/20/23 23:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**225**		4.97		mg/Kg			02/20/23 20:52	1

Client Sample ID: C-36 , 4.1'

Date Collected: 02/15/23 13:15
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 17:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 17:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 17:30	1
m,p-Xylenes	<0.00401	U *+	0.00401		mg/Kg		02/20/23 15:19	02/21/23 17:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 17:30	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/20/23 15:19	02/21/23 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/20/23 15:19*	*02/21/23 17:30*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/20/23 15:19*	*02/21/23 17:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 00:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 00:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*02/20/23 16:50*	*02/21/23 00:04*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*02/20/23 16:50*	*02/21/23 00:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1360**		25.0		mg/Kg			02/20/23 20:58	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-35 , 4.1'

Date Collected: 02/15/23 13:00
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/20/23 15:19	02/21/23 17:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/20/23 15:19	02/21/23 17:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/20/23 15:19	02/21/23 17:50	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/20/23 15:19	02/21/23 17:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/20/23 15:19	02/21/23 17:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/20/23 15:19	02/21/23 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*02/20/23 15:19*	*02/21/23 17:50*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/20/23 15:19*	*02/21/23 17:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 00:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 00:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*02/20/23 16:50*	*02/21/23 00:25*	*1*
o-Terphenyl (Surr)	*86*		*70 - 130*	*02/20/23 16:50*	*02/21/23 00:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1100**		5.00		mg/Kg			02/20/23 21:03	1

Client Sample ID: C-34 , 4.1'

Date Collected: 02/15/23 12:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/20/23 15:19	02/21/23 18:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/20/23 15:19	02/21/23 18:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/20/23 15:19	02/21/23 18:11	1
m,p-Xylenes	<0.00404	U *+	0.00404		mg/Kg		02/20/23 15:19	02/21/23 18:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/20/23 15:19	02/21/23 18:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/20/23 15:19	02/21/23 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/20/23 15:19*	*02/21/23 18:11*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/20/23 15:19*	*02/21/23 18:11*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-34 , 4.1'

Lab Sample ID: 880-24914-6
Matrix: Solid
Date Collected: 02/15/23 12:45
Date Received: 02/20/23 09:06

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 00:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 00:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*02/20/23 16:50*	*02/21/23 00:46*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*02/20/23 16:50*	*02/21/23 00:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.2**		4.96		mg/Kg			02/20/23 21:20	1

Client Sample ID: C-33 , 4.1'

Lab Sample ID: 880-24914-7
Matrix: Solid
Date Collected: 02/15/23 12:30
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/20/23 15:19	02/21/23 18:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/20/23 15:19	02/21/23 18:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/20/23 15:19	02/21/23 18:31	1
m,p-Xylenes	<0.00403	U *+	0.00403		mg/Kg		02/20/23 15:19	02/21/23 18:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/20/23 15:19	02/21/23 18:31	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/20/23 15:19	02/21/23 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*02/20/23 15:19*	*02/21/23 18:31*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/20/23 15:19*	*02/21/23 18:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 01:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-33 , 4.1'

Lab Sample ID: 880-24914-7
Matrix: Solid
Date Collected: 02/15/23 12:30
Date Received: 02/20/23 09:06

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		02/20/23 16:50	02/21/23 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*02/20/23 16:50*	*02/21/23 01:08*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*02/20/23 16:50*	*02/21/23 01:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**264**		4.97		mg/Kg			02/20/23 21:26	1

Client Sample ID: C-32 , 4.1'

Lab Sample ID: 880-24914-8
Matrix: Solid
Date Collected: 02/15/23 12:00
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/20/23 15:19	02/21/23 18:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/20/23 15:19	02/21/23 18:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/20/23 15:19	02/21/23 18:52	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/20/23 15:19	02/21/23 18:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/20/23 15:19	02/21/23 18:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/20/23 15:19	02/21/23 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*02/20/23 15:19*	*02/21/23 18:52*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*02/20/23 15:19*	*02/21/23 18:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 01:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 01:29	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*02/20/23 16:50*	*02/21/23 01:29*	*1*
o-Terphenyl (Surr)	*86*		*70 - 130*	*02/20/23 16:50*	*02/21/23 01:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.6**		4.98		mg/Kg			02/20/23 21:31	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-31 , 4.1'

Lab Sample ID: 880-24914-9
Matrix: Solid
Date Collected: 02/15/23 12:15
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/20/23 15:19	02/21/23 19:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/20/23 15:19	02/21/23 19:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/20/23 15:19	02/21/23 19:12	1
m,p-Xylenes	<0.00396	U *+	0.00396		mg/Kg		02/20/23 15:19	02/21/23 19:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/20/23 15:19	02/21/23 19:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/20/23 15:19	02/21/23 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/20/23 15:19*	*02/21/23 19:12*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/20/23 15:19*	*02/21/23 19:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 01:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 01:51	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*02/20/23 16:50*	*02/21/23 01:51*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*02/20/23 16:50*	*02/21/23 01:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**191**		5.00		mg/Kg			02/20/23 21:37	1

Client Sample ID: C-30 , 4.1'

Lab Sample ID: 880-24914-10
Matrix: Solid
Date Collected: 02/15/23 11:45
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/23 08:54	02/21/23 13:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/23 08:54	02/21/23 13:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/23 08:54	02/21/23 13:53	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/21/23 08:54	02/21/23 13:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/23 08:54	02/21/23 13:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/23 08:54	02/21/23 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*02/21/23 08:54*	*02/21/23 13:53*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*02/21/23 08:54*	*02/21/23 13:53*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-30 , 4.1'

Lab Sample ID: 880-24914-10
Matrix: Solid
Date Collected: 02/15/23 11:45
Date Received: 02/20/23 09:06

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 02:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 02:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*02/20/23 16:50*	*02/21/23 02:12*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*02/20/23 16:50*	*02/21/23 02:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.1**		5.05		mg/Kg			02/20/23 21:43	1

Client Sample ID: C-29 , 2.1'

Lab Sample ID: 880-24914-11
Matrix: Solid
Date Collected: 02/15/23 11:30
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/23 08:54	02/21/23 14:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/23 08:54	02/21/23 14:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/23 08:54	02/21/23 14:13	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/21/23 08:54	02/21/23 14:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/23 08:54	02/21/23 14:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/23 08:54	02/21/23 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*02/21/23 08:54*	*02/21/23 14:13*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*02/21/23 08:54*	*02/21/23 14:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 02:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 02:55	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-29 , 2.1'

Lab Sample ID: 880-24914-11
Matrix: Solid
Date Collected: 02/15/23 11:30
Date Received: 02/20/23 09:06

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		02/20/23 16:50	02/21/23 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*24*	*S1-*	*70 - 130*	*02/20/23 16:50*	*02/21/23 02:55*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*02/20/23 16:50*	*02/21/23 02:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.6**		4.98		mg/Kg			02/20/23 21:48	1

Client Sample ID: C-28 , 2.1'

Lab Sample ID: 880-24914-12
Matrix: Solid
Date Collected: 02/15/23 11:15
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/21/23 08:54	02/21/23 14:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/23 08:54	02/21/23 14:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/23 08:54	02/21/23 14:34	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/21/23 08:54	02/21/23 14:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/23 08:54	02/21/23 14:34	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/21/23 08:54	02/21/23 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/21/23 08:54*	*02/21/23 14:34*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*02/21/23 08:54*	*02/21/23 14:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 03:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 03:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*02/20/23 16:50*	*02/21/23 03:16*	*1*
o-Terphenyl (Surr)	*82*		*70 - 130*	*02/20/23 16:50*	*02/21/23 03:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**359**		5.05		mg/Kg			02/20/23 22:05	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-27 , 2.1'

Date Collected: 02/15/23 11:00
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 16:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 16:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 16:25	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 08:54	02/21/23 16:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 16:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/23 08:54	02/21/23 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*02/21/23 08:54*	*02/21/23 16:25*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/21/23 08:54*	*02/21/23 16:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 03:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 03:38	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*02/20/23 16:50*	*02/21/23 03:38*	*1*
o-Terphenyl (Surr)	*86*		*70 - 130*	*02/20/23 16:50*	*02/21/23 03:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2690**		24.8		mg/Kg			02/20/23 22:11	5

Client Sample ID: C-26 , 2.1'

Date Collected: 02/15/23 10:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 17:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 17:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 17:50	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/21/23 08:54	02/21/23 17:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 17:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/23 08:54	02/21/23 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/21/23 08:54*	*02/21/23 17:50*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/21/23 08:54*	*02/21/23 17:50*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-26 , 2.1'

Lab Sample ID: 880-24914-14
Matrix: Solid
Date Collected: 02/15/23 10:45
Date Received: 02/20/23 09:06

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 03:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 03:59	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*86*		*70 - 130*	*02/20/23 16:50*	*02/21/23 03:59*	*1*
o-Terphenyl (Surr)	*81*		*70 - 130*	*02/20/23 16:50*	*02/21/23 03:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**403**		5.00		mg/Kg			02/20/23 22:28	1

Client Sample ID: C-25 , 2.1'

Lab Sample ID: 880-24914-15
Matrix: Solid
Date Collected: 02/15/23 10:30
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 18:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 18:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 18:11	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 08:54	02/21/23 18:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 18:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/23 08:54	02/21/23 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*02/21/23 08:54*	*02/21/23 18:11*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*02/21/23 08:54*	*02/21/23 18:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 04:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 04:22	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-25 , 2.1'

Date Collected: 02/15/23 10:30
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-15
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		02/20/23 16:50	02/21/23 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*02/20/23 16:50*	*02/21/23 04:22*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*02/20/23 16:50*	*02/21/23 04:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**170**		4.97		mg/Kg			02/20/23 22:34	1

Client Sample ID: C-24 , 2.1'

Date Collected: 02/15/23 10:15
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 18:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 18:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 18:32	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 08:54	02/21/23 18:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 18:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/23 08:54	02/21/23 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/21/23 08:54*	*02/21/23 18:32*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/21/23 08:54*	*02/21/23 18:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 04:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 04:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*02/20/23 16:50*	*02/21/23 04:44*	*1*
o-Terphenyl (Surr)	*83*		*70 - 130*	*02/20/23 16:50*	*02/21/23 04:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**286**		4.95		mg/Kg			02/20/23 22:39	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-39 , 4.1'

Date Collected: 02/16/23 08:30
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 18:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 18:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 18:53	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 08:54	02/21/23 18:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 18:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/23 08:54	02/21/23 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*02/21/23 08:54*	*02/21/23 18:53*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/21/23 08:54*	*02/21/23 18:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 05:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 05:05	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*02/20/23 16:50*	*02/21/23 05:05*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*02/20/23 16:50*	*02/21/23 05:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**289**		5.04		mg/Kg			02/20/23 22:45	1

Client Sample ID: C-40 , 4.1'

Date Collected: 02/16/23 08:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 19:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 19:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 19:13	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/21/23 08:54	02/21/23 19:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 19:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/23 08:54	02/21/23 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*02/21/23 08:54*	*02/21/23 19:13*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*02/21/23 08:54*	*02/21/23 19:13*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-40 , 4.1'

Date Collected: 02/16/23 08:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-18
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 05:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 05:27	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*02/20/23 16:50*	*02/21/23 05:27*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*02/20/23 16:50*	*02/21/23 05:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1230**		5.00		mg/Kg			02/20/23 22:50	1

Client Sample ID: C-44 , 4.1'

Date Collected: 02/16/23 09:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/23 08:54	02/21/23 19:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/23 08:54	02/21/23 19:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/23 08:54	02/21/23 19:35	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/21/23 08:54	02/21/23 19:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/23 08:54	02/21/23 19:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/23 08:54	02/21/23 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/21/23 08:54*	*02/21/23 19:35*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/21/23 08:54*	*02/21/23 19:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 05:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 05:48	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-44 , 4.1'

Date Collected: 02/16/23 09:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/21/23 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*85*		*70 - 130*	*02/20/23 16:50*	*02/21/23 05:48*	*1*
o-Terphenyl (Surr)	*83*		*70 - 130*	*02/20/23 16:50*	*02/21/23 05:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		4.99		mg/Kg			02/20/23 22:56	1

Client Sample ID: C-45 , 4.1'

Date Collected: 02/16/23 10:00
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 19:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 19:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 19:56	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/21/23 08:54	02/21/23 19:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 19:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/21/23 08:54	02/21/23 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*02/21/23 08:54*	*02/21/23 19:56*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*02/21/23 08:54*	*02/21/23 19:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 06:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 06:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:50	02/21/23 06:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*86*		*70 - 130*	*02/20/23 16:50*	*02/21/23 06:09*	*1*
o-Terphenyl (Surr)	*82*		*70 - 130*	*02/20/23 16:50*	*02/21/23 06:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.4**		4.96		mg/Kg			02/20/23 23:02	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-47 , 4.1'

Date Collected: 02/16/23 10:30
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 20:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 20:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 20:17	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 08:54	02/21/23 20:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 20:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/23 08:54	02/21/23 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/21/23 08:54*	*02/21/23 20:17*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*02/21/23 08:54*	*02/21/23 20:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 02:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/21/23 02:55	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*02/20/23 16:55*	*02/21/23 02:55*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*02/20/23 16:55*	*02/21/23 02:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.8**		4.95		mg/Kg			02/20/23 23:47	1

Client Sample ID: C-43 , 4.1'

Date Collected: 02/16/23 09:30
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 20:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 20:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 20:37	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 08:54	02/21/23 20:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/23 08:54	02/21/23 20:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/23 08:54	02/21/23 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/21/23 08:54*	*02/21/23 20:37*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*02/21/23 08:54*	*02/21/23 20:37*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-43 , 4.1'

Date Collected: 02/16/23 09:30
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 03:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/21/23 03:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*02/20/23 16:55*	*02/21/23 03:16*	*1*
o-Terphenyl (Surr)	*125*		*70 - 130*	*02/20/23 16:55*	*02/21/23 03:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1670**		25.0		mg/Kg			02/21/23 00:04	5

Client Sample ID: C-46 , 4.1'

Date Collected: 02/16/23 10:15
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/21/23 08:54	02/21/23 20:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/23 08:54	02/21/23 20:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/23 08:54	02/21/23 20:58	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/21/23 08:54	02/21/23 20:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/23 08:54	02/21/23 20:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/21/23 08:54	02/21/23 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/21/23 08:54*	*02/21/23 20:58*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/21/23 08:54*	*02/21/23 20:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/22/23 13:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 03:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/21/23 03:38	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-24914-1
Project/Site: Salado 29 26 33 SDG: 20-0107-08

Client Sample ID: C-46 , 4.1'
Lab Sample ID: 880-24914-23
Date Collected: 02/16/23 10:15 **Matrix: Solid**
Date Received: 02/20/23 09:06

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		02/20/23 16:55	02/21/23 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*02/20/23 16:55*	*02/21/23 03:38*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*02/20/23 16:55*	*02/21/23 03:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**623**		4.97		mg/Kg			02/21/23 00:10	1

Client Sample ID: C-42 , 4.1'
Lab Sample ID: 880-24914-24
Date Collected: 02/16/23 09:15 **Matrix: Solid**
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:47	02/21/23 21:19	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 21:19	1
Ethylbenzene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 21:19	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 11:47	02/21/23 21:19	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 21:19	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		02/21/23 11:47	02/21/23 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/21/23 11:47*	*02/21/23 21:19*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/21/23 11:47*	*02/21/23 21:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 14:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 03:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/21/23 03:59	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*02/20/23 16:55*	*02/21/23 03:59*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*02/20/23 16:55*	*02/21/23 03:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**148**		5.00		mg/Kg			02/21/23 00:16	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-41 , 4.1'

Date Collected: 02/16/23 09:00
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24914-25

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:47	02/21/23 21:39	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 21:39	1
Ethylbenzene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 21:39	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 11:47	02/21/23 21:39	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 21:39	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		02/21/23 11:47	02/21/23 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/21/23 11:47*	*02/21/23 21:39*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*02/21/23 11:47*	*02/21/23 21:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 14:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 04:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/21/23 04:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*02/20/23 16:55*	*02/21/23 04:22*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*02/20/23 16:55*	*02/21/23 04:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.0**		5.00		mg/Kg			02/21/23 00:21	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

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)
880-24914-1	C-48 , 4.1'	106	82
880-24914-2	C-38 , 4.1'	85	84
880-24914-3	C-37 , 4.1'	110	61 S1-
880-24914-4	C-36 , 4.1'	98	78
880-24914-5	C-35 , 4.1'	92	87
880-24914-6	C-34 , 4.1'	110	81
880-24914-7	C-33 , 4.1'	89	87
880-24914-8	C-32 , 4.1'	97	85
880-24914-9	C-31 , 4.1'	107	80
880-24914-10	C-30 , 4.1'	82	76
880-24914-11	C-29 , 2.1'	88	70
880-24914-12	C-28 , 2.1'	107	118
880-24914-13	C-27 , 2.1'	129	97
880-24914-14	C-26 , 2.1'	105	105
880-24914-15	C-25 , 2.1'	115	113
880-24914-16	C-24 , 2.1'	117	111
880-24914-17	C-39 , 4.1'	118	99
880-24914-18	C-40 , 4.1'	77	68 S1-
880-24914-19	C-44 , 4.1'	112	98
880-24914-20	C-45 , 4.1'	115	116
880-24914-21	C-47 , 4.1'	119	110
880-24914-22	C-43 , 4.1'	112	115
880-24914-23	C-46 , 4.1'	113	109
880-24914-24	C-42 , 4.1'	111	109
880-24914-25	C-41 , 4.1'	112	113
LCS 880-46792/1-A	Lab Control Sample	115	114
LCS 880-46826/1-A	Lab Control Sample	94	107
LCS 880-46842/1-A	Lab Control Sample	159 S1+	96
LCSD 880-46792/2-A	Lab Control Sample Dup	116	118
LCSD 880-46826/2-A	Lab Control Sample Dup	93	105
LCSD 880-46842/2-A	Lab Control Sample Dup	151 S1+	99
MB 880-46792/5-A	Method Blank	77	92
MB 880-46826/5-A	Method Blank	85	99
MB 880-46842/5-A	Method Blank	167 S1+	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-24914-1	C-48 , 4.1'	96	91
880-24914-1 MS	C-48 , 4.1'	92	81
880-24914-1 MSD	C-48 , 4.1'	93	81
880-24914-2	C-38 , 4.1'	92	85
880-24914-3	C-37 , 4.1'	91	87

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-24914-1
Project/Site: Salado 29 26 33 SDG: 20-0107-08

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-24914-4	C-36 , 4.1'	92	87
880-24914-5	C-35 , 4.1'	89	86
880-24914-6	C-34 , 4.1'	92	87
880-24914-7	C-33 , 4.1'	90	85
880-24914-8	C-32 , 4.1'	91	86
880-24914-9	C-31 , 4.1'	108	99
880-24914-10	C-30 , 4.1'	105	99
880-24914-11	C-29 , 2.1'	24 S1-	84
880-24914-12	C-28 , 2.1'	89	82
880-24914-13	C-27 , 2.1'	90	86
880-24914-14	C-26 , 2.1'	86	81
880-24914-15	C-25 , 2.1'	103	92
880-24914-16	C-24 , 2.1'	89	83
880-24914-17	C-39 , 4.1'	99	91
880-24914-18	C-40 , 4.1'	102	93
880-24914-19	C-44 , 4.1'	85	83
880-24914-20	C-45 , 4.1'	86	82
880-24914-21	C-47 , 4.1'	99	106
880-24914-22	C-43 , 4.1'	118	125
880-24914-23	C-46 , 4.1'	94	101
880-24914-24	C-42 , 4.1'	98	104
880-24914-25	C-41 , 4.1'	91	97
LCS 880-46798/2-A	Lab Control Sample	96	95
LCS 880-46800/2-A	Lab Control Sample	110	113
LCSD 880-46798/3-A	Lab Control Sample Dup	109	99
LCSD 880-46800/3-A	Lab Control Sample Dup	111	114
MB 880-46798/1-A	Method Blank	99	101
MB 880-46800/1-A	Method Blank	0 S1-	0 S1-

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-46792/5-A
Matrix: Solid
Analysis Batch: 46819

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46792

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 11:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 11:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 11:19	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/20/23 15:19	02/21/23 11:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 11:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/20/23 15:19	02/21/23 11:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*02/20/23 15:19*	*02/21/23 11:19*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/20/23 15:19*	*02/21/23 11:19*	*1*

Lab Sample ID: LCS 880-46792/1-A
Matrix: Solid
Analysis Batch: 46819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46792

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1177		mg/Kg		118	70 - 130		
Toluene			0.100	0.1077		mg/Kg		108	70 - 130		
Ethylbenzene			0.100	0.1126		mg/Kg		113	70 - 130		
m,p-Xylenes			0.200	0.2444		mg/Kg		122	70 - 130		
o-Xylene			0.100	0.1212		mg/Kg		121	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: LCSD 880-46792/2-A
Matrix: Solid
Analysis Batch: 46819

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46792

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1214		mg/Kg		121	70 - 130	3	35
Toluene			0.100	0.1128		mg/Kg		113	70 - 130	5	35
Ethylbenzene			0.100	0.1203		mg/Kg		120	70 - 130	7	35
m,p-Xylenes			0.200	0.2615	*+	mg/Kg		131	70 - 130	7	35
o-Xylene			0.100	0.1296		mg/Kg		130	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: MB 880-46826/5-A
Matrix: Solid
Analysis Batch: 46821

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46826

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 11:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 11:25	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

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

Lab Sample ID: MB 880-46826/5-A
Matrix: Solid
Analysis Batch: 46821

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46826

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 11:25	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/21/23 08:54	02/21/23 11:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/23 08:54	02/21/23 11:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/23 08:54	02/21/23 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*02/21/23 08:54*	*02/21/23 11:25*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/21/23 08:54*	*02/21/23 11:25*	*1*

Lab Sample ID: LCS 880-46826/1-A
Matrix: Solid
Analysis Batch: 46821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46826

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1168		mg/Kg		117	70 - 130		
Toluene			0.100	0.1154		mg/Kg		115	70 - 130		
Ethylbenzene			0.100	0.1032		mg/Kg		103	70 - 130		
m,p-Xylenes			0.200	0.2079		mg/Kg		104	70 - 130		
o-Xylene			0.100	0.1046		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-46826/2-A
Matrix: Solid
Analysis Batch: 46821

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46826

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1142		mg/Kg		114	70 - 130	2	35
Toluene			0.100	0.1127		mg/Kg		113	70 - 130	2	35
Ethylbenzene			0.100	0.1011		mg/Kg		101	70 - 130	2	35
m,p-Xylenes			0.200	0.2036		mg/Kg		102	70 - 130	2	35
o-Xylene			0.100	0.1023		mg/Kg		102	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-46842/5-A
Matrix: Solid
Analysis Batch: 46820

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46842

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/21/23 11:47	02/21/23 14:08	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

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

Lab Sample ID: MB 880-46842/5-A
Matrix: Solid
Analysis Batch: 46820

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46842

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/23 11:47	02/21/23 14:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*02/21/23 11:47*	*02/21/23 14:08*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/21/23 11:47*	*02/21/23 14:08*	*1*

Lab Sample ID: LCS 880-46842/1-A
Matrix: Solid
Analysis Batch: 46820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46842

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07828		mg/Kg		78	70 - 130		
Toluene			0.100	0.07493		mg/Kg		75	70 - 130		
Ethylbenzene			0.100	0.07608		mg/Kg		76	70 - 130		
m,p-Xylenes			0.200	0.1610		mg/Kg		81	70 - 130		
o-Xylene			0.100	0.07663		mg/Kg		77	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-46842/2-A
Matrix: Solid
Analysis Batch: 46820

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46842

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07074		mg/Kg		71	70 - 130	10	35
Toluene			0.100	0.06627	*-	mg/Kg		66	70 - 130	12	35
Ethylbenzene			0.100	0.06669	*-	mg/Kg		67	70 - 130	13	35
m,p-Xylenes			0.200	0.1403		mg/Kg		70	70 - 130	14	35
o-Xylene			0.100	0.06695	*-	mg/Kg		67	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 880-46798/1-A
Matrix: Solid
Analysis Batch: 46677

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46798

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		02/20/23 16:50	02/20/23 21:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/20/23 21:10	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:50	02/20/23 21:10	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130	02/20/23 16:50	02/20/23 21:10	1
o-Terphenyl (Surr)	101		70 - 130	02/20/23 16:50	02/20/23 21:10	1

Lab Sample ID: LCS 880-46798/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46677 — **Prep Batch: 46798**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	947.9		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	982.9		mg/Kg		98	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	96		70 - 130
o-Terphenyl (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-46798/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46677 — **Prep Batch: 46798**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	900.8		mg/Kg		90	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	946.9		mg/Kg		95	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	109		70 - 130
o-Terphenyl (Surr)	99		70 - 130

Lab Sample ID: 880-24914-1 MS — **Client Sample ID: C-48 , 4.1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46677 — **Prep Batch: 46798**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1024		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	936.5		mg/Kg		94	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	81		70 - 130

Lab Sample ID: 880-24914-1 MSD — **Client Sample ID: C-48 , 4.1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46677 — **Prep Batch: 46798**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1025		mg/Kg		100	70 - 130	0	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

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

Lab Sample ID: 880-24914-1 MSD — **Client Sample ID: C-48 , 4.1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46677 — **Prep Batch: 46798**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	<50.0	U	997	942.2		mg/Kg		95	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*93*		*70 - 130*
o-Terphenyl (Surr)	*81*		*70 - 130*

Lab Sample ID: MB 880-46800/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46679 — **Prep Batch: 46800**

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		02/20/23 16:55	02/20/23 21:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:55	02/20/23 21:10	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:55	02/20/23 21:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*0*	*S1-*	*70 - 130*	*02/20/23 16:55*	*02/20/23 21:10*	*1*
o-Terphenyl (Surr)	*0*	*S1-*	*70 - 130*	*02/20/23 16:55*	*02/20/23 21:10*	*1*

Lab Sample ID: LCS 880-46800/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46679 — **Prep Batch: 46800**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	941.8		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1492	*+	mg/Kg		149	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*110*		*70 - 130*
o-Terphenyl (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-46800/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46679 — **Prep Batch: 46800**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	886.2		mg/Kg		89	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1351	*+	mg/Kg		135	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*111*		*70 - 130*
o-Terphenyl (Surr)	*114*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-46709/1-A
Matrix: Solid
Analysis Batch: 46811

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/20/23 20:12	1

Lab Sample ID: LCS 880-46709/2-A
Matrix: Solid
Analysis Batch: 46811

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.0		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-46709/3-A
Matrix: Solid
Analysis Batch: 46811

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	242.0		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-24914-1 MS
Matrix: Solid
Analysis Batch: 46811

Client Sample ID: C-48 , 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	160		248	389.2		mg/Kg		93	90 - 110		

Lab Sample ID: 880-24914-1 MSD
Matrix: Solid
Analysis Batch: 46811

Client Sample ID: C-48 , 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	160		248	389.5		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-24914-11 MS
Matrix: Solid
Analysis Batch: 46811

Client Sample ID: C-29 , 2.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	91.6		249	338.9		mg/Kg		99	90 - 110		

Lab Sample ID: 880-24914-11 MSD
Matrix: Solid
Analysis Batch: 46811

Client Sample ID: C-29 , 2.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	91.6		249	338.5		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-46710/1-A
Matrix: Solid
Analysis Batch: 46812

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/20/23 23:30	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-46710/2-A
Matrix: Solid
Analysis Batch: 46812

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	245.3		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-46710/3-A
Matrix: Solid
Analysis Batch: 46812

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.8		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-24914-21 MS
Matrix: Solid
Analysis Batch: 46812

Client Sample ID: C-47 , 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	39.8		248	272.1		mg/Kg		94	90 - 110		

Lab Sample ID: 880-24914-21 MSD
Matrix: Solid
Analysis Batch: 46812

Client Sample ID: C-47 , 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	39.8		248	273.3		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

GC VOA

Prep Batch: 46792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-1	C-48 , 4.1'	Total/NA	Solid	5035	
880-24914-2	C-38 , 4.1'	Total/NA	Solid	5035	
880-24914-3	C-37 , 4.1'	Total/NA	Solid	5035	
880-24914-4	C-36 , 4.1'	Total/NA	Solid	5035	
880-24914-5	C-35 , 4.1'	Total/NA	Solid	5035	
880-24914-6	C-34 , 4.1'	Total/NA	Solid	5035	
880-24914-7	C-33 , 4.1'	Total/NA	Solid	5035	
880-24914-8	C-32 , 4.1'	Total/NA	Solid	5035	
880-24914-9	C-31 , 4.1'	Total/NA	Solid	5035	
MB 880-46792/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46792/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46792/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 46819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-1	C-48 , 4.1'	Total/NA	Solid	8021B	46792
880-24914-2	C-38 , 4.1'	Total/NA	Solid	8021B	46792
880-24914-3	C-37 , 4.1'	Total/NA	Solid	8021B	46792
880-24914-4	C-36 , 4.1'	Total/NA	Solid	8021B	46792
880-24914-5	C-35 , 4.1'	Total/NA	Solid	8021B	46792
880-24914-6	C-34 , 4.1'	Total/NA	Solid	8021B	46792
880-24914-7	C-33 , 4.1'	Total/NA	Solid	8021B	46792
880-24914-8	C-32 , 4.1'	Total/NA	Solid	8021B	46792
880-24914-9	C-31 , 4.1'	Total/NA	Solid	8021B	46792
MB 880-46792/5-A	Method Blank	Total/NA	Solid	8021B	46792
LCS 880-46792/1-A	Lab Control Sample	Total/NA	Solid	8021B	46792
LCSD 880-46792/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46792

Analysis Batch: 46820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-24	C-42 , 4.1'	Total/NA	Solid	8021B	46842
880-24914-25	C-41 , 4.1'	Total/NA	Solid	8021B	46842
MB 880-46842/5-A	Method Blank	Total/NA	Solid	8021B	46842
LCS 880-46842/1-A	Lab Control Sample	Total/NA	Solid	8021B	46842
LCSD 880-46842/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46842

Analysis Batch: 46821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-10	C-30 , 4.1'	Total/NA	Solid	8021B	46826
880-24914-11	C-29 , 2.1'	Total/NA	Solid	8021B	46826
880-24914-12	C-28 , 2.1'	Total/NA	Solid	8021B	46826
880-24914-13	C-27 , 2.1'	Total/NA	Solid	8021B	46826
880-24914-14	C-26 , 2.1'	Total/NA	Solid	8021B	46826
880-24914-15	C-25 , 2.1'	Total/NA	Solid	8021B	46826
880-24914-16	C-24 , 2.1'	Total/NA	Solid	8021B	46826
880-24914-17	C-39 , 4.1'	Total/NA	Solid	8021B	46826
880-24914-18	C-40 , 4.1'	Total/NA	Solid	8021B	46826
880-24914-19	C-44 , 4.1'	Total/NA	Solid	8021B	46826
880-24914-20	C-45 , 4.1'	Total/NA	Solid	8021B	46826
880-24914-21	C-47 , 4.1'	Total/NA	Solid	8021B	46826
880-24914-22	C-43 , 4.1'	Total/NA	Solid	8021B	46826

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

GC VOA (Continued)

Analysis Batch: 46821 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-23	C-46 , 4.1'	Total/NA	Solid	8021B	46826
MB 880-46826/5-A	Method Blank	Total/NA	Solid	8021B	46826
LCS 880-46826/1-A	Lab Control Sample	Total/NA	Solid	8021B	46826
LCSD 880-46826/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46826

Prep Batch: 46826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-10	C-30 , 4.1'	Total/NA	Solid	5035	
880-24914-11	C-29 , 2.1'	Total/NA	Solid	5035	
880-24914-12	C-28 , 2.1'	Total/NA	Solid	5035	
880-24914-13	C-27 , 2.1'	Total/NA	Solid	5035	
880-24914-14	C-26 , 2.1'	Total/NA	Solid	5035	
880-24914-15	C-25 , 2.1'	Total/NA	Solid	5035	
880-24914-16	C-24 , 2.1'	Total/NA	Solid	5035	
880-24914-17	C-39 , 4.1'	Total/NA	Solid	5035	
880-24914-18	C-40 , 4.1'	Total/NA	Solid	5035	
880-24914-19	C-44 , 4.1'	Total/NA	Solid	5035	
880-24914-20	C-45 , 4.1'	Total/NA	Solid	5035	
880-24914-21	C-47 , 4.1'	Total/NA	Solid	5035	
880-24914-22	C-43 , 4.1'	Total/NA	Solid	5035	
880-24914-23	C-46 , 4.1'	Total/NA	Solid	5035	
MB 880-46826/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46826/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46826/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 46842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-24	C-42 , 4.1'	Total/NA	Solid	5035	
880-24914-25	C-41 , 4.1'	Total/NA	Solid	5035	
MB 880-46842/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46842/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46842/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 46914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-1	C-48 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-2	C-38 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-3	C-37 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-4	C-36 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-5	C-35 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-6	C-34 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-7	C-33 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-8	C-32 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-9	C-31 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-10	C-30 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-11	C-29 , 2.1'	Total/NA	Solid	Total BTEX	
880-24914-12	C-28 , 2.1'	Total/NA	Solid	Total BTEX	
880-24914-13	C-27 , 2.1'	Total/NA	Solid	Total BTEX	
880-24914-14	C-26 , 2.1'	Total/NA	Solid	Total BTEX	
880-24914-15	C-25 , 2.1'	Total/NA	Solid	Total BTEX	
880-24914-16	C-24 , 2.1'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

GC VOA (Continued)

Analysis Batch: 46914 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-17	C-39 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-18	C-40 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-19	C-44 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-20	C-45 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-21	C-47 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-22	C-43 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-23	C-46 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-24	C-42 , 4.1'	Total/NA	Solid	Total BTEX	
880-24914-25	C-41 , 4.1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 46677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-1	C-48 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-2	C-38 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-3	C-37 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-4	C-36 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-5	C-35 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-6	C-34 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-7	C-33 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-8	C-32 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-9	C-31 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-10	C-30 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-11	C-29 , 2.1'	Total/NA	Solid	8015B NM	46798
880-24914-12	C-28 , 2.1'	Total/NA	Solid	8015B NM	46798
880-24914-13	C-27 , 2.1'	Total/NA	Solid	8015B NM	46798
880-24914-14	C-26 , 2.1'	Total/NA	Solid	8015B NM	46798
880-24914-15	C-25 , 2.1'	Total/NA	Solid	8015B NM	46798
880-24914-16	C-24 , 2.1'	Total/NA	Solid	8015B NM	46798
880-24914-17	C-39 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-18	C-40 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-19	C-44 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-20	C-45 , 4.1'	Total/NA	Solid	8015B NM	46798
MB 880-46798/1-A	Method Blank	Total/NA	Solid	8015B NM	46798
LCS 880-46798/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	46798
LCSD 880-46798/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	46798
880-24914-1 MS	C-48 , 4.1'	Total/NA	Solid	8015B NM	46798
880-24914-1 MSD	C-48 , 4.1'	Total/NA	Solid	8015B NM	46798

Analysis Batch: 46679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-21	C-47 , 4.1'	Total/NA	Solid	8015B NM	46800
880-24914-22	C-43 , 4.1'	Total/NA	Solid	8015B NM	46800
880-24914-23	C-46 , 4.1'	Total/NA	Solid	8015B NM	46800
880-24914-24	C-42 , 4.1'	Total/NA	Solid	8015B NM	46800
880-24914-25	C-41 , 4.1'	Total/NA	Solid	8015B NM	46800
MB 880-46800/1-A	Method Blank	Total/NA	Solid	8015B NM	46800
LCS 880-46800/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	46800
LCSD 880-46800/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	46800

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

GC Semi VOA

Prep Batch: 46798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-1	C-48 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-2	C-38 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-3	C-37 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-4	C-36 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-5	C-35 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-6	C-34 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-7	C-33 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-8	C-32 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-9	C-31 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-10	C-30 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-11	C-29 , 2.1'	Total/NA	Solid	8015NM Prep	
880-24914-12	C-28 , 2.1'	Total/NA	Solid	8015NM Prep	
880-24914-13	C-27 , 2.1'	Total/NA	Solid	8015NM Prep	
880-24914-14	C-26 , 2.1'	Total/NA	Solid	8015NM Prep	
880-24914-15	C-25 , 2.1'	Total/NA	Solid	8015NM Prep	
880-24914-16	C-24 , 2.1'	Total/NA	Solid	8015NM Prep	
880-24914-17	C-39 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-18	C-40 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-19	C-44 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-20	C-45 , 4.1'	Total/NA	Solid	8015NM Prep	
MB 880-46798/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-46798/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-46798/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24914-1 MS	C-48 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-1 MSD	C-48 , 4.1'	Total/NA	Solid	8015NM Prep	

Prep Batch: 46800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-21	C-47 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-22	C-43 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-23	C-46 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-24	C-42 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24914-25	C-41 , 4.1'	Total/NA	Solid	8015NM Prep	
MB 880-46800/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-46800/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-46800/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 46877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-1	C-48 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-2	C-38 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-3	C-37 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-4	C-36 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-5	C-35 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-6	C-34 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-7	C-33 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-8	C-32 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-9	C-31 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-10	C-30 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-11	C-29 , 2.1'	Total/NA	Solid	8015 NM	
880-24914-12	C-28 , 2.1'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

GC Semi VOA (Continued)

Analysis Batch: 46877 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-13	C-27 , 2.1'	Total/NA	Solid	8015 NM	
880-24914-14	C-26 , 2.1'	Total/NA	Solid	8015 NM	
880-24914-15	C-25 , 2.1'	Total/NA	Solid	8015 NM	
880-24914-16	C-24 , 2.1'	Total/NA	Solid	8015 NM	
880-24914-17	C-39 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-18	C-40 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-19	C-44 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-20	C-45 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-21	C-47 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-22	C-43 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-23	C-46 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-24	C-42 , 4.1'	Total/NA	Solid	8015 NM	
880-24914-25	C-41 , 4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 46709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-1	C-48 , 4.1'	Soluble	Solid	DI Leach	
880-24914-2	C-38 , 4.1'	Soluble	Solid	DI Leach	
880-24914-3	C-37 , 4.1'	Soluble	Solid	DI Leach	
880-24914-4	C-36 , 4.1'	Soluble	Solid	DI Leach	
880-24914-5	C-35 , 4.1'	Soluble	Solid	DI Leach	
880-24914-6	C-34 , 4.1'	Soluble	Solid	DI Leach	
880-24914-7	C-33 , 4.1'	Soluble	Solid	DI Leach	
880-24914-8	C-32 , 4.1'	Soluble	Solid	DI Leach	
880-24914-9	C-31 , 4.1'	Soluble	Solid	DI Leach	
880-24914-10	C-30 , 4.1'	Soluble	Solid	DI Leach	
880-24914-11	C-29 , 2.1'	Soluble	Solid	DI Leach	
880-24914-12	C-28 , 2.1'	Soluble	Solid	DI Leach	
880-24914-13	C-27 , 2.1'	Soluble	Solid	DI Leach	
880-24914-14	C-26 , 2.1'	Soluble	Solid	DI Leach	
880-24914-15	C-25 , 2.1'	Soluble	Solid	DI Leach	
880-24914-16	C-24 , 2.1'	Soluble	Solid	DI Leach	
880-24914-17	C-39 , 4.1'	Soluble	Solid	DI Leach	
880-24914-18	C-40 , 4.1'	Soluble	Solid	DI Leach	
880-24914-19	C-44 , 4.1'	Soluble	Solid	DI Leach	
880-24914-20	C-45 , 4.1'	Soluble	Solid	DI Leach	
MB 880-46709/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-46709/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-46709/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24914-1 MS	C-48 , 4.1'	Soluble	Solid	DI Leach	
880-24914-1 MSD	C-48 , 4.1'	Soluble	Solid	DI Leach	
880-24914-11 MS	C-29 , 2.1'	Soluble	Solid	DI Leach	
880-24914-11 MSD	C-29 , 2.1'	Soluble	Solid	DI Leach	

Leach Batch: 46710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-21	C-47 , 4.1'	Soluble	Solid	DI Leach	
880-24914-22	C-43 , 4.1'	Soluble	Solid	DI Leach	
880-24914-23	C-46 , 4.1'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

HPLC/IC (Continued)

Leach Batch: 46710 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-24	C-42 , 4.1'	Soluble	Solid	DI Leach	
880-24914-25	C-41 , 4.1'	Soluble	Solid	DI Leach	
MB 880-46710/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-46710/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-46710/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24914-21 MS	C-47 , 4.1'	Soluble	Solid	DI Leach	
880-24914-21 MSD	C-47 , 4.1'	Soluble	Solid	DI Leach	

Analysis Batch: 46811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-1	C-48 , 4.1'	Soluble	Solid	300.0	46709
880-24914-2	C-38 , 4.1'	Soluble	Solid	300.0	46709
880-24914-3	C-37 , 4.1'	Soluble	Solid	300.0	46709
880-24914-4	C-36 , 4.1'	Soluble	Solid	300.0	46709
880-24914-5	C-35 , 4.1'	Soluble	Solid	300.0	46709
880-24914-6	C-34 , 4.1'	Soluble	Solid	300.0	46709
880-24914-7	C-33 , 4.1'	Soluble	Solid	300.0	46709
880-24914-8	C-32 , 4.1'	Soluble	Solid	300.0	46709
880-24914-9	C-31 , 4.1'	Soluble	Solid	300.0	46709
880-24914-10	C-30 , 4.1'	Soluble	Solid	300.0	46709
880-24914-11	C-29 , 2.1'	Soluble	Solid	300.0	46709
880-24914-12	C-28 , 2.1'	Soluble	Solid	300.0	46709
880-24914-13	C-27 , 2.1'	Soluble	Solid	300.0	46709
880-24914-14	C-26 , 2.1'	Soluble	Solid	300.0	46709
880-24914-15	C-25 , 2.1'	Soluble	Solid	300.0	46709
880-24914-16	C-24 , 2.1'	Soluble	Solid	300.0	46709
880-24914-17	C-39 , 4.1'	Soluble	Solid	300.0	46709
880-24914-18	C-40 , 4.1'	Soluble	Solid	300.0	46709
880-24914-19	C-44 , 4.1'	Soluble	Solid	300.0	46709
880-24914-20	C-45 , 4.1'	Soluble	Solid	300.0	46709
MB 880-46709/1-A	Method Blank	Soluble	Solid	300.0	46709
LCS 880-46709/2-A	Lab Control Sample	Soluble	Solid	300.0	46709
LCSD 880-46709/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	46709
880-24914-1 MS	C-48 , 4.1'	Soluble	Solid	300.0	46709
880-24914-1 MSD	C-48 , 4.1'	Soluble	Solid	300.0	46709
880-24914-11 MS	C-29 , 2.1'	Soluble	Solid	300.0	46709
880-24914-11 MSD	C-29 , 2.1'	Soluble	Solid	300.0	46709

Analysis Batch: 46812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24914-21	C-47 , 4.1'	Soluble	Solid	300.0	46710
880-24914-22	C-43 , 4.1'	Soluble	Solid	300.0	46710
880-24914-23	C-46 , 4.1'	Soluble	Solid	300.0	46710
880-24914-24	C-42 , 4.1'	Soluble	Solid	300.0	46710
880-24914-25	C-41 , 4.1'	Soluble	Solid	300.0	46710
MB 880-46710/1-A	Method Blank	Soluble	Solid	300.0	46710
LCS 880-46710/2-A	Lab Control Sample	Soluble	Solid	300.0	46710
LCSD 880-46710/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	46710
880-24914-21 MS	C-47 , 4.1'	Soluble	Solid	300.0	46710
880-24914-21 MSD	C-47 , 4.1'	Soluble	Solid	300.0	46710

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-48 , 4.1'

Lab Sample ID: 880-24914-1
Matrix: Solid
Date Collected: 02/16/23 10:45
Date Received: 02/20/23 09:06

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	46792	02/20/23 15:19	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 16:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/21/23 16:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/20/23 22:15	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 20:29	CH	EET MID

Client Sample ID: C-38 , 4.1'

Lab Sample ID: 880-24914-2
Matrix: Solid
Date Collected: 02/16/23 08:15
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	46792	02/20/23 15:19	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/20/23 23:21	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 20:46	CH	EET MID

Client Sample ID: C-37 , 4.1'

Lab Sample ID: 880-24914-3
Matrix: Solid
Date Collected: 02/16/23 08:00
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	46792	02/20/23 15:19	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 17:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/20/23 23:42	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 20:52	CH	EET MID

Client Sample ID: C-36 , 4.1'

Lab Sample ID: 880-24914-4
Matrix: Solid
Date Collected: 02/15/23 13:15
Date Received: 02/20/23 09:06

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	46792	02/20/23 15:19	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 14:55	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-36 , 4.1'

Lab Sample ID: 880-24914-4
Matrix: Solid
Date Collected: 02/15/23 13:15
Date Received: 02/20/23 09:06

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			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 00:04	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		5			46811	02/20/23 20:58	CH	EET MID

Client Sample ID: C-35 , 4.1'

Lab Sample ID: 880-24914-5
Matrix: Solid
Date Collected: 02/15/23 13:00
Date Received: 02/20/23 09:06

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	46792	02/20/23 15:19	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 17:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 00:25	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 21:03	CH	EET MID

Client Sample ID: C-34 , 4.1'

Lab Sample ID: 880-24914-6
Matrix: Solid
Date Collected: 02/15/23 12:45
Date Received: 02/20/23 09:06

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	46792	02/20/23 15:19	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 00:46	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 21:20	CH	EET MID

Client Sample ID: C-33 , 4.1'

Lab Sample ID: 880-24914-7
Matrix: Solid
Date Collected: 02/15/23 12:30
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	46792	02/20/23 15:19	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 18:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 01:08	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-33 , 4.1'

Lab Sample ID: 880-24914-7
Matrix: Solid
Date Collected: 02/15/23 12:30
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 21:26	CH	EET MID

Client Sample ID: C-32 , 4.1'

Lab Sample ID: 880-24914-8
Matrix: Solid
Date Collected: 02/15/23 12:00
Date Received: 02/20/23 09:06

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	46792	02/20/23 15:19	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 01:29	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 21:31	CH	EET MID

Client Sample ID: C-31 , 4.1'

Lab Sample ID: 880-24914-9
Matrix: Solid
Date Collected: 02/15/23 12:15
Date Received: 02/20/23 09:06

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	46792	02/20/23 15:19	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 01:51	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 21:37	CH	EET MID

Client Sample ID: C-30 , 4.1'

Lab Sample ID: 880-24914-10
Matrix: Solid
Date Collected: 02/15/23 11:45
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 02:12	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 21:43	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-29 , 2.1'

Lab Sample ID: 880-24914-11
Matrix: Solid
Date Collected: 02/15/23 11:30
Date Received: 02/20/23 09:06

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	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 02:55	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 21:48	CH	EET MID

Client Sample ID: C-28 , 2.1'

Lab Sample ID: 880-24914-12
Matrix: Solid
Date Collected: 02/15/23 11:15
Date Received: 02/20/23 09:06

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	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 14:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 03:16	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 22:05	CH	EET MID

Client Sample ID: C-27 , 2.1'

Lab Sample ID: 880-24914-13
Matrix: Solid
Date Collected: 02/15/23 11:00
Date Received: 02/20/23 09:06

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	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 03:38	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		5			46811	02/20/23 22:11	CH	EET MID

Client Sample ID: C-26 , 2.1'

Lab Sample ID: 880-24914-14
Matrix: Solid
Date Collected: 02/15/23 10:45
Date Received: 02/20/23 09:06

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	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 17:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-26 , 2.1'

Lab Sample ID: 880-24914-14
Matrix: Solid
Date Collected: 02/15/23 10:45
Date Received: 02/20/23 09:06

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			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 03:59	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 22:28	CH	EET MID

Client Sample ID: C-25 , 2.1'

Lab Sample ID: 880-24914-15
Matrix: Solid
Date Collected: 02/15/23 10:30
Date Received: 02/20/23 09:06

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	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 04:22	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 22:34	CH	EET MID

Client Sample ID: C-24 , 2.1'

Lab Sample ID: 880-24914-16
Matrix: Solid
Date Collected: 02/15/23 10:15
Date Received: 02/20/23 09:06

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	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 04:44	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 22:39	CH	EET MID

Client Sample ID: C-39 , 4.1'

Lab Sample ID: 880-24914-17
Matrix: Solid
Date Collected: 02/16/23 08:30
Date Received: 02/20/23 09:06

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	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 05:05	AJ	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-39 , 4.1'

Lab Sample ID: 880-24914-17
Matrix: Solid
Date Collected: 02/16/23 08:30
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 22:45	CH	EET MID

Client Sample ID: C-40 , 4.1'

Lab Sample ID: 880-24914-18
Matrix: Solid
Date Collected: 02/16/23 08:45
Date Received: 02/20/23 09:06

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	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 05:27	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 22:50	CH	EET MID

Client Sample ID: C-44 , 4.1'

Lab Sample ID: 880-24914-19
Matrix: Solid
Date Collected: 02/16/23 09:45
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 19:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 05:48	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 22:56	CH	EET MID

Client Sample ID: C-45 , 4.1'

Lab Sample ID: 880-24914-20
Matrix: Solid
Date Collected: 02/16/23 10:00
Date Received: 02/20/23 09:06

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	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 19:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46798	02/20/23 16:50	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46677	02/21/23 06:09	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	46709	02/20/23 12:46	KS	EET MID
Soluble	Analysis	300.0		1			46811	02/20/23 23:02	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-47 , 4.1'

Lab Sample ID: 880-24914-21
Matrix: Solid
Date Collected: 02/16/23 10:30
Date Received: 02/20/23 09:06

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	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 20:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/21/23 02:55	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/20/23 23:47	CH	EET MID

Client Sample ID: C-43 , 4.1'

Lab Sample ID: 880-24914-22
Matrix: Solid
Date Collected: 02/16/23 09:30
Date Received: 02/20/23 09:06

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	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 20:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/21/23 03:16	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		5			46812	02/21/23 00:04	CH	EET MID

Client Sample ID: C-46 , 4.1'

Lab Sample ID: 880-24914-23
Matrix: Solid
Date Collected: 02/16/23 10:15
Date Received: 02/20/23 09:06

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	46826	02/21/23 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46821	02/21/23 20:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 13:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/21/23 03:38	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/21/23 00:10	CH	EET MID

Client Sample ID: C-42 , 4.1'

Lab Sample ID: 880-24914-24
Matrix: Solid
Date Collected: 02/16/23 09:15
Date Received: 02/20/23 09:06

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	46842	02/21/23 11:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46820	02/21/23 21:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 14:13	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Client Sample ID: C-42 , 4.1'

Lab Sample ID: 880-24914-24
Matrix: Solid
Date Collected: 02/16/23 09:15
Date Received: 02/20/23 09:06

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			46877	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/21/23 03:59	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/21/23 00:16	CH	EET MID

Client Sample ID: C-41 , 4.1'

Lab Sample ID: 880-24914-25
Matrix: Solid
Date Collected: 02/16/23 09:00
Date Received: 02/20/23 09:06

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	46842	02/21/23 11:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46820	02/21/23 21:39	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46914	02/22/23 14:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46877	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/21/23 04:22	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/21/23 00:21	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

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: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

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: Salado 29 26 33

Job ID: 880-24914-1
SDG: 20-0107-08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24914-1	C-48 , 4.1'	Solid	02/16/23 10:45	02/20/23 09:06
880-24914-2	C-38 , 4.1'	Solid	02/16/23 08:15	02/20/23 09:06
880-24914-3	C-37 , 4.1'	Solid	02/16/23 08:00	02/20/23 09:06
880-24914-4	C-36 , 4.1'	Solid	02/15/23 13:15	02/20/23 09:06
880-24914-5	C-35 , 4.1'	Solid	02/15/23 13:00	02/20/23 09:06
880-24914-6	C-34 , 4.1'	Solid	02/15/23 12:45	02/20/23 09:06
880-24914-7	C-33 , 4.1'	Solid	02/15/23 12:30	02/20/23 09:06
880-24914-8	C-32 , 4.1'	Solid	02/15/23 12:00	02/20/23 09:06
880-24914-9	C-31 , 4.1'	Solid	02/15/23 12:15	02/20/23 09:06
880-24914-10	C-30 , 4.1'	Solid	02/15/23 11:45	02/20/23 09:06
880-24914-11	C-29 , 2.1'	Solid	02/15/23 11:30	02/20/23 09:06
880-24914-12	C-28 , 2.1'	Solid	02/15/23 11:15	02/20/23 09:06
880-24914-13	C-27 , 2.1'	Solid	02/15/23 11:00	02/20/23 09:06
880-24914-14	C-26 , 2.1'	Solid	02/15/23 10:45	02/20/23 09:06
880-24914-15	C-25 , 2.1'	Solid	02/15/23 10:30	02/20/23 09:06
880-24914-16	C-24 , 2.1'	Solid	02/15/23 10:15	02/20/23 09:06
880-24914-17	C-39 , 4.1'	Solid	02/16/23 08:30	02/20/23 09:06
880-24914-18	C-40 , 4.1'	Solid	02/16/23 08:45	02/20/23 09:06
880-24914-19	C-44 , 4.1'	Solid	02/16/23 09:45	02/20/23 09:06
880-24914-20	C-45 , 4.1'	Solid	02/16/23 10:00	02/20/23 09:06
880-24914-21	C-47 , 4.1'	Solid	02/16/23 10:30	02/20/23 09:06
880-24914-22	C-43 , 4.1'	Solid	02/16/23 09:30	02/20/23 09:06
880-24914-23	C-46 , 4.1'	Solid	02/16/23 10:15	02/20/23 09:06
880-24914-24	C-42 , 4.1'	Solid	02/16/23 09:15	02/20/23 09:06
880-24914-25	C-41 , 4.1'	Solid	02/16/23 09:00	02/20/23 09:06

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24914 No. 2981

CHAIN-OF-CUSTODY

2/22/2023

Larson & Associates, Inc.
Environmental Consultants
Data Reported to

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

DATE. 2-20-23 PAGE 1 OF 2
PO#
LAB WORK ORDER#
PROJECT LOCATION OR NAME Salado Draw
LAI PROJECT # 20-0107-08 COLLECTOR KG

TRRP report? ☐ Yes ☒ No
TIME ZONE Time zone/State MNT / NM

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

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

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	BTEX	TRPH	GRO	DRO	ORO	CHLORIDE	FIELD NOTES
C-48, 4'		2-16-23	1045	S	1				X		X		X	X	X		207
C-38, 4'		2-16-23	0815														
C-37, 4'		2-16-23	0800														
C-36, 4'		2-15-23	1315														
C-35, 4'		2-15-23	1300														
C-34, 4'		2-15-23	1245														
C-33, 4'		2-15-23	1230														
C-32, 4'		2-15-23	1200														
C-31, 4'		2-15-23	1215														
C-30, 4'		2-15-23	1145														
C-29, 2'		2-15-23	1130														
C-28, 2'		2-15-23	1115														
C-27, 2'		2-15-23	1100														
C-26, 2'		2-15-23	1045														
C-25, 2'		2-15-23	1030														
TOTAL																	

880-24914 Chain of Custody

RELINQUISHED BY (Signature) KBVih Garcia DATE/TIME 2/20/23 9:00 RECEIVED BY (Signature)
RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)
RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)
LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 8.7/8.5 THERM# IR8 -36
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

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Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

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24914 No. 2982

CHAIN-OF-CUSTODY

2/22/2023

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

DATE 2-20-23 PAGE 2 OF 2

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME Salado Draw

LAI PROJECT #. 20-0107-08 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 ☐	pH ☐	CYANIDE ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-24, 2.1'		2-15-23	1015	S	1				X		X			X	X	X																								X			
C-39, 4.1'		2-16-23	0830																																							
C-40, 4.1'			0845																																							
C-44, 4.1'			0945																																							
C-45, 4.1'			1000																																							
C-47, 4.1'			1030																																							
C-43, 4.1'			0930																																							
C-46, 4.1'			1015																																							
C-42, 4.1'			0915																																							
C-41, 4.1'			0900																																							
TOTAL																																											

Loc: 880
24914

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Kevin Garcia	2/20/23 9:00	
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 _____ THERM# _____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-24914-1
SDG Number: 20-0107-08

Login Number: 24914
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.	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/22/2023 3:50:09 PM

JOB DESCRIPTION

Salado 29 26 33
SDG NUMBER 20-0107-08

JOB NUMBER

880-24917-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 11/14/2023 1:06:35 PM

my EOL

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

Generated
2/22/2023 3:50:09 PM

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

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-24917-1
Project/Site: Salado 29 26 33 SDG: 20-0107-08

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-24917-1
Project/Site: Salado 29 26 33 SDG: 20-0107-08

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Job ID: 880-24917-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-24917-1

Receipt
The samples were received on 2/20/2023 9:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -8.4°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1 , 0-2.1' (880-24917-1), SW-2 , 0-4.1' (880-24917-2), SW-3 , 0-4.1' (880-24917-3), SW-4 , 2.1-4.1' (880-24917-4), SW-5 , 2.1-4.1' (880-24917-5), C-49 , 4.1' (880-24917-6), C-50 , 4.1' (880-24917-7), C-51 , 4.1' (880-24917-8), C-52 , 4.1' (880-24917-9), C-53 , 2.1' (880-24917-10), C-54 , 4.1' (880-24917-11), C-55 , 4.1' (880-24917-12), C-56 , 4.1' (880-24917-13), C-57 , 4.1' (880-24917-14), C-58 , 4.1' (880-24917-15), C-59 , 4.1' (880-24917-16), SW-6 , 0-4.1' (880-24917-17), SW-7 , 0-4.1' (880-24917-18), SW-8 , 2.1'-4.1' (880-24917-19), SW-9 , 2.1'-4.1' (880-24917-20), SW-10 , 0-4.1' (880-24917-21), C-60, 2.1' (880-24917-22), C-61, 2.1' (880-24917-23), C-62, 4.1' (880-24917-24), C-63, 4.1' (880-24917-25), SW-11 , 0-4.1' (880-24917-26), SW-12 , 2.1-4.1' (880-24917-27), C-64, 2.1' (880-24917-28), C-65, 2.1' (880-24917-29) and SW-13 , 0-2.1' (880-24917-30).

The following samples were found to be frozen solid upon receipt by the laboratory. The samples and containers appeared to be intact. SW-1 , 0-2.1' (880-24917-1), SW-2 , 0-4.1' (880-24917-2), SW-3 , 0-4.1' (880-24917-3), SW-4 , 2.1-4.1' (880-24917-4), SW-5 , 2.1-4.1' (880-24917-5), C-49 , 4.1' (880-24917-6), C-50 , 4.1' (880-24917-7), C-51 , 4.1' (880-24917-8), C-52 , 4.1' (880-24917-9), C-53 , 2.1' (880-24917-10), C-54 , 4.1' (880-24917-11), C-55 , 4.1' (880-24917-12), C-56 , 4.1' (880-24917-13), C-57 , 4.1' (880-24917-14), C-58 , 4.1' (880-24917-15), C-59 , 4.1' (880-24917-16), SW-6 , 0-4.1' (880-24917-17), SW-7 , 0-4.1' (880-24917-18), SW-8 , 2.1'-4.1' (880-24917-19), SW-9 , 2.1'-4.1' (880-24917-20), SW-10 , 0-4.1' (880-24917-21), C-60, 2.1' (880-24917-22), C-61, 2.1' (880-24917-23), C-62, 4.1' (880-24917-24), C-63, 4.1' (880-24917-25), SW-11 , 0-4.1' (880-24917-26), SW-12 , 2.1-4.1' (880-24917-27), C-64, 2.1' (880-24917-28), C-65, 2.1' (880-24917-29) and SW-13 , 0-2.1' (880-24917-30)

GC VOA
Method 8021B: The laboratory control sample (LCS) for preparation batch 880-46842 and analytical batch 880-46820 recovered outside control limits for the following analytes: Toluene, Ethylbenzene and o-Xylene. Since only an LCS is required to be acceptable per the method, the data was qualified and reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCSD 880-46842/2-A), (880-24982-A-1-E MS) and (880-24982-A-1-F MSD). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-65, 2.1' (880-24917-29). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-46843 and analytical batch 880-46822 recovered outside control limits for the following analytes: Benzene, m,p-Xylenes and o-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-46843 and analytical batch 880-46822 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-1 , 0-2.1' (880-24917-1), SW-2 , 0-4.1' (880-24917-2), SW-3 , 0-4.1' (880-24917-3), SW-4 , 2.1-4.1' (880-24917-4), SW-5 , 2.1-4.1' (880-24917-5), C-49 , 4.1' (880-24917-6), C-50 , 4.1' (880-24917-7), C-51 , 4.1' (880-24917-8), C-52 , 4.1' (880-24917-9), C-53 , 2.1' (880-24917-10), C-54 , 4.1' (880-24917-11), C-55 , 4.1' (880-24917-12), C-56 , 4.1' (880-24917-13), C-57 , 4.1' (880-24917-14), C-58 , 4.1' (880-24917-15), C-59 , 4.1' (880-24917-16), SW-6 , 0-4.1' (880-24917-17), SW-7 , 0-4.1' (880-24917-18), SW-8 , 2.1'-4.1' (880-24917-19), SW-9 , 2.1'-4.1' (880-24917-20), (LCS 880-46843/1-A), (LCSD 880-46843/2-A) and (880-24917-A-1-F MSD). 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.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Job ID: 880-24917-1 (Continued)

Laboratory: Eurofins Midland (Continued)

GC Semi VOA

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-46799 and analytical batch 880-46673 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-46800 and analytical batch 880-46679 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (MB 880-46799/1-A) and (880-24917-A-1-C MS). 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-46710 and 880-46710 and analytical batch 880-46812 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-46711 and 880-46711 and analytical batch 880-46813 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-1 , 0-2.1'

Date Collected: 02/16/23 12:15
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202		mg/Kg		02/21/23 11:50	02/21/23 18:08	1
Toluene	<0.00202	U F1	0.00202		mg/Kg		02/21/23 11:50	02/21/23 18:08	1
Ethylbenzene	<0.00202	U *+ F1	0.00202		mg/Kg		02/21/23 11:50	02/21/23 18:08	1
m,p-Xylenes	<0.00403	U *+ F1	0.00403		mg/Kg		02/21/23 11:50	02/21/23 18:08	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		02/21/23 11:50	02/21/23 18:08	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		02/21/23 11:50	02/21/23 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/21/23 18:08*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*02/21/23 11:50*	*02/21/23 18:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/20/23 21:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/20/23 21:17	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:53	02/20/23 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*119*		*70 - 130*	*02/20/23 16:53*	*02/20/23 21:17*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*02/20/23 16:53*	*02/20/23 21:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**767**		4.96		mg/Kg			02/21/23 00:38	1

Client Sample ID: SW-2 , 0-4.1'

Date Collected: 02/16/23 12:30
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 18:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:50	02/21/23 18:34	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 18:34	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/21/23 18:34	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 18:34	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/21/23 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*8*	*S1-*	*70 - 130*	*02/21/23 11:50*	*02/21/23 18:34*	*1*
1,4-Difluorobenzene (Surr)	*0.2*	*S1-*	*70 - 130*	*02/21/23 11:50*	*02/21/23 18:34*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-2 , 0-4.1'

Lab Sample ID: 880-24917-2
Matrix: Solid
Date Collected: 02/16/23 12:30
Date Received: 02/20/23 09:06

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/20/23 22:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/20/23 22:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:53	02/20/23 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*02/20/23 16:53*	*02/20/23 22:17*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*02/20/23 16:53*	*02/20/23 22:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**265**		4.97		mg/Kg			02/21/23 00:44	1

Client Sample ID: SW-3 , 0-4.1'

Lab Sample ID: 880-24917-3
Matrix: Solid
Date Collected: 02/16/23 12:45
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 19:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:50	02/21/23 19:01	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 19:01	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/21/23 19:01	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 19:01	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/21/23 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/21/23 19:01*	*1*
1,4-Difluorobenzene (Surr)	*0.08*	*S1-*	*70 - 130*	*02/21/23 11:50*	*02/21/23 19:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/20/23 22:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/20/23 22:38	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-3 , 0-4.1'

Lab Sample ID: 880-24917-3
Matrix: Solid
Date Collected: 02/16/23 12:45
Date Received: 02/20/23 09:06

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		02/20/23 16:53	02/20/23 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*02/20/23 16:53*	*02/20/23 22:38*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*02/20/23 16:53*	*02/20/23 22:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		4.98		mg/Kg			02/21/23 00:50	1

Client Sample ID: SW-4 , 2.1-4.1'

Lab Sample ID: 880-24917-4
Matrix: Solid
Date Collected: 02/16/23 13:00
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/21/23 19:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:50	02/21/23 19:27	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/21/23 19:27	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/21/23 11:50	02/21/23 19:27	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/21/23 19:27	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/21/23 11:50	02/21/23 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*187*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/21/23 19:27*	*1*
1,4-Difluorobenzene (Surr)	*0.2*	*S1-*	*70 - 130*	*02/21/23 11:50*	*02/21/23 19:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/20/23 22:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/20/23 22:59	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:53	02/20/23 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*02/20/23 16:53*	*02/20/23 22:59*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*02/20/23 16:53*	*02/20/23 22:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1120**		5.00		mg/Kg			02/21/23 00:55	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-5 , 2.1-4.1'

Lab Sample ID: 880-24917-5
Matrix: Solid
Date Collected: 02/16/23 13:15
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 19:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:50	02/21/23 19:54	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 19:54	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/21/23 19:54	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 19:54	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/21/23 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*169*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/21/23 19:54*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*02/21/23 11:50*	*02/21/23 19:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/20/23 23:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/20/23 23:20	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:53	02/20/23 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*122*		*70 - 130*	*02/20/23 16:53*	*02/20/23 23:20*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*02/20/23 16:53*	*02/20/23 23:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**443**		5.05		mg/Kg			02/21/23 01:01	1

Client Sample ID: C-49 , 4.1'

Lab Sample ID: 880-24917-6
Matrix: Solid
Date Collected: 02/17/23 08:30
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 20:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:50	02/21/23 20:20	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 20:20	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/21/23 20:20	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 20:20	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/21/23 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/21/23 20:20*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*02/21/23 11:50*	*02/21/23 20:20*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-49 , 4.1'

Date Collected: 02/17/23 08:30
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/20/23 23:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/20/23 23:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:53	02/20/23 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*119*		*70 - 130*	*02/20/23 16:53*	*02/20/23 23:41*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*02/20/23 16:53*	*02/20/23 23:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1130**		4.98		mg/Kg			02/21/23 01:07	1

Client Sample ID: C-50 , 4.1'

Date Collected: 02/17/23 08:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/21/23 20:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:50	02/21/23 20:47	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/21/23 20:47	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/21/23 11:50	02/21/23 20:47	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/21/23 20:47	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/21/23 11:50	02/21/23 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/21/23 20:47*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*02/21/23 11:50*	*02/21/23 20:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/21/23 00:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/21/23 00:01	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-50 , 4.1'

Lab Sample ID: 880-24917-7
Matrix: Solid
Date Collected: 02/17/23 08:45
Date Received: 02/20/23 09:06

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		02/20/23 16:53	02/21/23 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*02/20/23 16:53*	*02/21/23 00:01*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*02/20/23 16:53*	*02/21/23 00:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1060**		5.05		mg/Kg			02/21/23 01:24	1

Client Sample ID: C-51 , 4.1'

Lab Sample ID: 880-24917-8
Matrix: Solid
Date Collected: 02/17/23 09:00
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+	0.00201		mg/Kg		02/21/23 11:50	02/21/23 21:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/23 11:50	02/21/23 21:13	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		02/21/23 11:50	02/21/23 21:13	1
m,p-Xylenes	<0.00402	U *+	0.00402		mg/Kg		02/21/23 11:50	02/21/23 21:13	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/21/23 11:50	02/21/23 21:13	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/21/23 11:50	02/21/23 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*174*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/21/23 21:13*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*02/21/23 11:50*	*02/21/23 21:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 00:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 00:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:53	02/21/23 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*02/20/23 16:53*	*02/21/23 00:21*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*02/20/23 16:53*	*02/21/23 00:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**329**		4.96		mg/Kg			02/21/23 01:29	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-52 , 4.1'

Lab Sample ID: 880-24917-9
Matrix: Solid
Date Collected: 02/17/23 09:15
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/21/23 21:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:50	02/21/23 21:40	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/21/23 21:40	1
m,p-Xylenes	<0.00401	U *+	0.00401		mg/Kg		02/21/23 11:50	02/21/23 21:40	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/21/23 21:40	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/21/23 11:50	02/21/23 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/21/23 21:40*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*02/21/23 11:50*	*02/21/23 21:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 00:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 00:41	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:53	02/21/23 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*02/20/23 16:53*	*02/21/23 00:41*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*02/20/23 16:53*	*02/21/23 00:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2580**		25.0		mg/Kg			02/21/23 01:46	5

Client Sample ID: C-53 , 2.1'

Lab Sample ID: 880-24917-10
Matrix: Solid
Date Collected: 02/17/23 09:30
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202		mg/Kg		02/21/23 11:50	02/21/23 22:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/23 11:50	02/21/23 22:07	1
Ethylbenzene	<0.00202	U *+	0.00202		mg/Kg		02/21/23 11:50	02/21/23 22:07	1
m,p-Xylenes	<0.00403	U *+	0.00403		mg/Kg		02/21/23 11:50	02/21/23 22:07	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		02/21/23 11:50	02/21/23 22:07	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		02/21/23 11:50	02/21/23 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*164*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/21/23 22:07*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*02/21/23 11:50*	*02/21/23 22:07*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-53 , 2.1'

Date Collected: 02/17/23 09:30
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 01:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 01:01	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:53	02/21/23 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*02/20/23 16:53*	*02/21/23 01:01*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*02/20/23 16:53*	*02/21/23 01:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1040**		24.9		mg/Kg			02/21/23 01:52	5

Client Sample ID: C-54 , 4.1'

Date Collected: 02/17/23 09:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 23:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:50	02/21/23 23:52	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 23:52	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/21/23 23:52	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/21/23 23:52	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/21/23 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/21/23 23:52*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*02/21/23 11:50*	*02/21/23 23:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 01:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 01:42	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-54 , 4.1'

Lab Sample ID: 880-24917-11
Matrix: Solid
Date Collected: 02/17/23 09:45
Date Received: 02/20/23 09:06

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		02/20/23 16:53	02/21/23 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*02/20/23 16:53*	*02/21/23 01:42*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*02/20/23 16:53*	*02/21/23 01:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2660**		24.8		mg/Kg			02/21/23 01:58	5

Client Sample ID: C-55 , 4.1'

Lab Sample ID: 880-24917-12
Matrix: Solid
Date Collected: 02/17/23 10:00
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/22/23 00:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:50	02/22/23 00:18	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/22/23 00:18	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/22/23 00:18	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/22/23 00:18	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/22/23 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*174*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/22/23 00:18*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/21/23 11:50*	*02/22/23 00:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/21/23 02:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/21/23 02:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:53	02/21/23 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*02/20/23 16:53*	*02/21/23 02:02*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*02/20/23 16:53*	*02/21/23 02:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2660**		25.2		mg/Kg			02/21/23 02:03	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-56 , 4.1'

Date Collected: 02/17/23 10:15
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/22/23 00:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:50	02/22/23 00:45	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/22/23 00:45	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/21/23 11:50	02/22/23 00:45	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/22/23 00:45	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/21/23 11:50	02/22/23 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*185*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/22/23 00:45*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*02/21/23 11:50*	*02/22/23 00:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/21/23 02:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/21/23 02:22	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:53	02/21/23 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*02/20/23 16:53*	*02/21/23 02:22*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*02/20/23 16:53*	*02/21/23 02:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**157**		5.00		mg/Kg			02/21/23 02:09	1

Client Sample ID: C-57 , 4.1'

Date Collected: 02/17/23 10:30
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+	0.00201		mg/Kg		02/21/23 11:50	02/22/23 01:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/23 11:50	02/22/23 01:11	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		02/21/23 11:50	02/22/23 01:11	1
m,p-Xylenes	<0.00402	U *+	0.00402		mg/Kg		02/21/23 11:50	02/22/23 01:11	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/21/23 11:50	02/22/23 01:11	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/21/23 11:50	02/22/23 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*165*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/22/23 01:11*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/21/23 11:50*	*02/22/23 01:11*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-57 , 4.1'

Date Collected: 02/17/23 10:30
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 02:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 02:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:53	02/21/23 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*02/20/23 16:53*	*02/21/23 02:43*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*02/20/23 16:53*	*02/21/23 02:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2260**		25.0		mg/Kg			02/21/23 02:15	5

Client Sample ID: C-58 , 4.1'

Date Collected: 02/17/23 10:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/22/23 01:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:50	02/22/23 01:38	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/22/23 01:38	1
m,p-Xylenes	<0.00401	U *+	0.00401		mg/Kg		02/21/23 11:50	02/22/23 01:38	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/22/23 01:38	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/21/23 11:50	02/22/23 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*163*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/22/23 01:38*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*02/21/23 11:50*	*02/22/23 01:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 03:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 03:03	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-58 , 4.1'

Date Collected: 02/17/23 10:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-15
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		02/20/23 16:53	02/21/23 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*02/20/23 16:53*	*02/21/23 03:03*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*02/20/23 16:53*	*02/21/23 03:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2730**		24.8		mg/Kg			02/21/23 02:20	5

Client Sample ID: C-59 , 4.1'

Date Collected: 02/17/23 11:00
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/22/23 02:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:50	02/22/23 02:05	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/22/23 02:05	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/22/23 02:05	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/22/23 02:05	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/22/23 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*183*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/22/23 02:05*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/21/23 11:50*	*02/22/23 02:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 03:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 03:23	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:53	02/21/23 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*02/20/23 16:53*	*02/21/23 03:23*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*02/20/23 16:53*	*02/21/23 03:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2440**	**F1**	25.0		mg/Kg			02/21/23 06:17	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-6 , 0-4.1'

Lab Sample ID: 880-24917-17
Matrix: Solid
Date Collected: 02/17/23 11:15
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/22/23 02:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:50	02/22/23 02:31	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/22/23 02:31	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/22/23 02:31	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/22/23 02:31	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/22/23 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*163*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/22/23 02:31*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/21/23 11:50*	*02/22/23 02:31*	*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			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/21/23 03:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/21/23 03:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:53	02/21/23 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*02/20/23 16:53*	*02/21/23 03:43*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*02/20/23 16:53*	*02/21/23 03:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**662**		4.98		mg/Kg			02/21/23 06:34	1

Client Sample ID: SW-7 , 0-4.1'

Lab Sample ID: 880-24917-18
Matrix: Solid
Date Collected: 02/17/23 11:30
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/22/23 02:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:50	02/22/23 02:58	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/22/23 02:58	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/21/23 11:50	02/22/23 02:58	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/21/23 11:50	02/22/23 02:58	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/21/23 11:50	02/22/23 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*175*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/22/23 02:58*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*02/21/23 11:50*	*02/22/23 02:58*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-7 , 0-4.1'

Lab Sample ID: 880-24917-18
Matrix: Solid
Date Collected: 02/17/23 11:30
Date Received: 02/20/23 09:06

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 04:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 04:04	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:53	02/21/23 04:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*120*		*70 - 130*	*02/20/23 16:53*	*02/21/23 04:04*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*02/20/23 16:53*	*02/21/23 04:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**340**		4.95		mg/Kg			02/21/23 06:40	1

Client Sample ID: SW-8 , 2.1'-4.1'

Lab Sample ID: 880-24917-19
Matrix: Solid
Date Collected: 02/17/23 11:45
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/22/23 03:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:50	02/22/23 03:25	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/22/23 03:25	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/22/23 03:25	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/21/23 11:50	02/22/23 03:25	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/21/23 11:50	02/22/23 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*185*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/22/23 03:25*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/21/23 11:50*	*02/22/23 03:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/21/23 04:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		02/20/23 16:53	02/21/23 04:24	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-8 , 2.1'-4.1'

Lab Sample ID: 880-24917-19
Matrix: Solid
Date Collected: 02/17/23 11:45
Date Received: 02/20/23 09:06

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		02/20/23 16:53	02/21/23 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*02/20/23 16:53*	*02/21/23 04:24*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*02/20/23 16:53*	*02/21/23 04:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1910**		24.8		mg/Kg			02/21/23 06:46	5

Client Sample ID: SW-9 , 2.1'-4.1'

Lab Sample ID: 880-24917-20
Matrix: Solid
Date Collected: 02/17/23 12:00
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202		mg/Kg		02/21/23 11:50	02/22/23 03:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/23 11:50	02/22/23 03:52	1
Ethylbenzene	<0.00202	U *+	0.00202		mg/Kg		02/21/23 11:50	02/22/23 03:52	1
m,p-Xylenes	<0.00403	U *+	0.00403		mg/Kg		02/21/23 11:50	02/22/23 03:52	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		02/21/23 11:50	02/22/23 03:52	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		02/21/23 11:50	02/22/23 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*186*	*S1+*	*70 - 130*	*02/21/23 11:50*	*02/22/23 03:52*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/21/23 11:50*	*02/22/23 03:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/22/23 15:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/23 15:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 04:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:53	02/21/23 04:45	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:53	02/21/23 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*111*		*70 - 130*	*02/20/23 16:53*	*02/21/23 04:45*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*02/20/23 16:53*	*02/21/23 04:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2370**		24.9		mg/Kg			02/21/23 06:51	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-10 , 0-4.1'

Lab Sample ID: 880-24917-21
Matrix: Solid
Date Collected: 02/17/23 12:15
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 22:00	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		02/21/23 11:47	02/21/23 22:00	1
Ethylbenzene	<0.00200	U *-	0.00200		mg/Kg		02/21/23 11:47	02/21/23 22:00	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/21/23 11:47	02/21/23 22:00	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		02/21/23 11:47	02/21/23 22:00	1
Xylenes, Total	<0.00399	U *-	0.00399		mg/Kg		02/21/23 11:47	02/21/23 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/21/23 11:47*	*02/21/23 22:00*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*02/21/23 11:47*	*02/21/23 22:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/22/23 14:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/20/23 22:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/20/23 22:15	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/20/23 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*0*	*S1-*	*70 - 130*	*02/20/23 16:55*	*02/20/23 22:15*	*1*
o-Terphenyl (Surr)	*0*	*S1-*	*70 - 130*	*02/20/23 16:55*	*02/20/23 22:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**762**		5.00		mg/Kg			02/21/23 07:08	1

Client Sample ID: C-60, 2.1'

Lab Sample ID: 880-24917-22
Matrix: Solid
Date Collected: 02/17/23 13:00
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 22:20	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		02/21/23 11:47	02/21/23 22:20	1
Ethylbenzene	<0.00200	U *-	0.00200		mg/Kg		02/21/23 11:47	02/21/23 22:20	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		02/21/23 11:47	02/21/23 22:20	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		02/21/23 11:47	02/21/23 22:20	1
Xylenes, Total	<0.00401	U *-	0.00401		mg/Kg		02/21/23 11:47	02/21/23 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/21/23 11:47*	*02/21/23 22:20*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/21/23 11:47*	*02/21/23 22:20*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-60, 2.1'

Date Collected: 02/17/23 13:00
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/22/23 14:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/20/23 23:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/20/23 23:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/20/23 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*0*	*S1-*	*70 - 130*	*02/20/23 16:55*	*02/20/23 23:21*	*1*
o-Terphenyl (Surr)	*0*	*S1-*	*70 - 130*	*02/20/23 16:55*	*02/20/23 23:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**773**		4.98		mg/Kg			02/21/23 07:14	1

Client Sample ID: C-61, 2.1'

Date Collected: 02/17/23 13:15
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:47	02/21/23 22:40	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 22:40	1
Ethylbenzene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 22:40	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 11:47	02/21/23 22:40	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 22:40	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		02/21/23 11:47	02/21/23 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*02/21/23 11:47*	*02/21/23 22:40*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*02/21/23 11:47*	*02/21/23 22:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 14:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/20/23 23:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/20/23 23:42	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-61, 2.1'

Date Collected: 02/17/23 13:15
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-23
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		02/20/23 16:55	02/20/23 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*0*	*S1-*	*70 - 130*	*02/20/23 16:55*	*02/20/23 23:42*	*1*
o-Terphenyl (Surr)	*0*	*S1-*	*70 - 130*	*02/20/23 16:55*	*02/20/23 23:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1410**		25.0		mg/Kg			02/21/23 07:20	5

Client Sample ID: C-62, 4.1'

Date Collected: 02/17/23 13:30
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-24
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:47	02/21/23 23:01	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 23:01	1
Ethylbenzene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 23:01	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 11:47	02/21/23 23:01	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 23:01	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		02/21/23 11:47	02/21/23 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*02/21/23 11:47*	*02/21/23 23:01*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/21/23 11:47*	*02/21/23 23:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 14:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 00:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/21/23 00:04	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*02/20/23 16:55*	*02/21/23 00:04*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*02/20/23 16:55*	*02/21/23 00:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**313**		5.01		mg/Kg			02/21/23 07:25	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-63, 4.1'

Date Collected: 02/17/23 13:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-25
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/23 13:43	02/21/23 22:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/23 13:43	02/21/23 22:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/23 13:43	02/21/23 22:17	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/21/23 13:43	02/21/23 22:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/23 13:43	02/21/23 22:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/23 13:43	02/21/23 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*02/21/23 13:43*	*02/21/23 22:17*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/21/23 13:43*	*02/21/23 22:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 00:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/21/23 00:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*02/20/23 16:55*	*02/21/23 00:25*	*1*
o-Terphenyl (Surr)	*109*		*70 - 130*	*02/20/23 16:55*	*02/21/23 00:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**528**		4.98		mg/Kg			02/21/23 07:31	1

Client Sample ID: SW-11 , 0-4.1'

Date Collected: 02/17/23 15:00
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/21/23 13:43	02/21/23 22:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/23 13:43	02/21/23 22:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/21/23 13:43	02/21/23 22:37	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		02/21/23 13:43	02/21/23 22:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/21/23 13:43	02/21/23 22:37	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/21/23 13:43	02/21/23 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/21/23 13:43*	*02/21/23 22:37*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*02/21/23 13:43*	*02/21/23 22:37*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-11 , 0-4.1'

Lab Sample ID: 880-24917-26
Matrix: Solid
Date Collected: 02/17/23 15:00
Date Received: 02/20/23 09:06

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 00:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/21/23 00:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*02/20/23 16:55*	*02/21/23 00:46*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*02/20/23 16:55*	*02/21/23 00:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2440**	**F1**	24.8		mg/Kg			02/21/23 07:37	5

Client Sample ID: SW-12 , 2.1-4.1'

Lab Sample ID: 880-24917-27
Matrix: Solid
Date Collected: 02/17/23 15:15
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/21/23 13:43	02/21/23 22:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/23 13:43	02/21/23 22:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/23 13:43	02/21/23 22:58	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		02/21/23 13:43	02/21/23 22:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/23 13:43	02/21/23 22:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/21/23 13:43	02/21/23 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/21/23 13:43*	*02/21/23 22:58*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/21/23 13:43*	*02/21/23 22:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/21/23 01:08	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-12 , 2.1-4.1'

Lab Sample ID: 880-24917-27
Matrix: Solid
Date Collected: 02/17/23 15:15
Date Received: 02/20/23 09:06

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		02/20/23 16:55	02/21/23 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*02/20/23 16:55*	*02/21/23 01:08*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*02/20/23 16:55*	*02/21/23 01:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1280**		25.0		mg/Kg			02/21/23 07:54	5

Client Sample ID: C-64, 2.1'

Lab Sample ID: 880-24917-28
Matrix: Solid
Date Collected: 02/17/23 15:30
Date Received: 02/20/23 09:06

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 13:43	02/21/23 23:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 13:43	02/21/23 23:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/23 13:43	02/21/23 23:18	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 13:43	02/21/23 23:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/23 13:43	02/21/23 23:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/23 13:43	02/21/23 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*02/21/23 13:43*	*02/21/23 23:18*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/21/23 13:43*	*02/21/23 23:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 01:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/20/23 16:55	02/21/23 01:29	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/20/23 16:55	02/21/23 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*02/20/23 16:55*	*02/21/23 01:29*	*1*
o-Terphenyl (Surr)	*113*		*70 - 130*	*02/20/23 16:55*	*02/21/23 01:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**429**		4.95		mg/Kg			02/21/23 07:59	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-65, 2.1'

Date Collected: 02/17/23 15:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-29
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 13:43	02/21/23 23:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/23 13:43	02/21/23 23:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/23 13:43	02/21/23 23:39	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 13:43	02/21/23 23:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/23 13:43	02/21/23 23:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/23 13:43	02/21/23 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*02/21/23 13:43*	*02/21/23 23:39*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/21/23 13:43*	*02/21/23 23:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/23 16:55	02/21/23 01:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		02/20/23 16:55	02/21/23 01:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:55	02/21/23 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*02/20/23 16:55*	*02/21/23 01:51*	*1*
o-Terphenyl (Surr)	*124*		*70 - 130*	*02/20/23 16:55*	*02/21/23 01:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**255**		4.97		mg/Kg			02/21/23 08:16	1

Client Sample ID: SW-13 , 0-2.1'

Date Collected: 02/17/23 16:00
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-30
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/23 13:43	02/21/23 23:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 13:43	02/21/23 23:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/23 13:43	02/21/23 23:59	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		02/21/23 13:43	02/21/23 23:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/23 13:43	02/21/23 23:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/23 13:43	02/21/23 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*02/21/23 13:43*	*02/21/23 23:59*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/21/23 13:43*	*02/21/23 23:59*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-13 , 0-2.1'

Date Collected: 02/17/23 16:00
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-30

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/22/23 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/20/23 16:55	02/21/23 02:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		02/20/23 16:55	02/21/23 02:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:55	02/21/23 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*02/20/23 16:55*	*02/21/23 02:12*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*02/20/23 16:55*	*02/21/23 02:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**134**		4.96		mg/Kg			02/21/23 08:22	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-24917-1	SW-1 , 0-2.1'	157 S1+	71
880-24917-1 MS	SW-1 , 0-2.1'	129	84
880-24917-1 MSD	SW-1 , 0-2.1'	130	68 S1-
880-24917-2	SW-2 , 0-4.1'	8 S1-	0.2 S1-
880-24917-3	SW-3 , 0-4.1'	141 S1+	0.08 S1-
880-24917-4	SW-4 , 2.1-4.1'	187 S1+	0.2 S1-
880-24917-5	SW-5 , 2.1-4.1'	169 S1+	76
880-24917-6	C-49 , 4.1'	145 S1+	74
880-24917-7	C-50 , 4.1'	148 S1+	77
880-24917-8	C-51 , 4.1'	174 S1+	73
880-24917-9	C-52 , 4.1'	153 S1+	69 S1-
880-24917-10	C-53 , 2.1'	164 S1+	71
880-24917-11	C-54 , 4.1'	149 S1+	73
880-24917-12	C-55 , 4.1'	174 S1+	79
880-24917-13	C-56 , 4.1'	185 S1+	76
880-24917-14	C-57 , 4.1'	165 S1+	79
880-24917-15	C-58 , 4.1'	163 S1+	76
880-24917-16	C-59 , 4.1'	183 S1+	86
880-24917-17	SW-6 , 0-4.1'	163 S1+	84
880-24917-18	SW-7 , 0-4.1'	175 S1+	82
880-24917-19	SW-8 , 2.1'-4.1'	185 S1+	79
880-24917-20	SW-9 , 2.1'-4.1'	186 S1+	81
880-24917-21	SW-10 , 0-4.1'	112	113
880-24917-22	C-60, 2.1'	106	109
880-24917-23	C-61, 2.1'	115	115
880-24917-24	C-62, 4.1'	108	109
880-24917-25	C-63, 4.1'	94	94
880-24917-25 MS	C-63, 4.1'	116	116
880-24917-25 MSD	C-63, 4.1'	125	98
880-24917-26	SW-11 , 0-4.1'	120	83
880-24917-27	SW-12 , 2.1-4.1'	96	84
880-24917-28	C-64, 2.1'	93	84
880-24917-29	C-65, 2.1'	66 S1-	97
880-24917-30	SW-13 , 0-2.1'	93	87
LCS 880-46842/1-A	Lab Control Sample	159 S1+	96
LCS 880-46843/1-A	Lab Control Sample	186 S1+	85
LCS 880-46851/1-A	Lab Control Sample	111	111
LCSD 880-46842/2-A	Lab Control Sample Dup	151 S1+	99
LCSD 880-46843/2-A	Lab Control Sample Dup	162 S1+	86
LCSD 880-46851/2-A	Lab Control Sample Dup	115	121
MB 880-46792/5-A	Method Blank	77	92
MB 880-46842/5-A	Method Blank	167 S1+	95
MB 880-46843/5-A	Method Blank	103	74
MB 880-46851/5-A	Method Blank	74	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-24917-1
Project/Site: Salado 29 26 33 SDG: 20-0107-08

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)
880-24917-1	SW-1 , 0-2.1'	119	96
880-24917-1 MS	SW-1 , 0-2.1'	135 S1+	92
880-24917-1 MSD	SW-1 , 0-2.1'	111	85
880-24917-2	SW-2 , 0-4.1'	104	96
880-24917-3	SW-3 , 0-4.1'	104	94
880-24917-4	SW-4 , 2.1-4.1'	100	87
880-24917-5	SW-5 , 2.1-4.1'	122	101
880-24917-6	C-49 , 4.1'	119	101
880-24917-7	C-50 , 4.1'	109	96
880-24917-8	C-51 , 4.1'	112	103
880-24917-9	C-52 , 4.1'	110	100
880-24917-10	C-53 , 2.1'	105	95
880-24917-11	C-54 , 4.1'	110	103
880-24917-12	C-55 , 4.1'	109	102
880-24917-13	C-56 , 4.1'	104	95
880-24917-14	C-57 , 4.1'	103	99
880-24917-15	C-58 , 4.1'	109	101
880-24917-16	C-59 , 4.1'	107	101
880-24917-17	SW-6 , 0-4.1'	109	100
880-24917-18	SW-7 , 0-4.1'	120	106
880-24917-19	SW-8 , 2.1'-4.1'	114	106
880-24917-20	SW-9 , 2.1'-4.1'	111	103
880-24917-21	SW-10 , 0-4.1'	0 S1-	0 S1-
880-24917-21 MS	SW-10 , 0-4.1'	126	119
880-24917-21 MSD	SW-10 , 0-4.1'	125	118
880-24917-22	C-60, 2.1'	0 S1-	0 S1-
880-24917-23	C-61, 2.1'	0 S1-	0 S1-
880-24917-24	C-62, 4.1'	99	103
880-24917-25	C-63, 4.1'	100	109
880-24917-26	SW-11 , 0-4.1'	98	105
880-24917-27	SW-12 , 2.1-4.1'	99	105
880-24917-28	C-64, 2.1'	107	113
880-24917-29	C-65, 2.1'	118	124
880-24917-30	SW-13 , 0-2.1'	104	110
LCS 880-46799/2-A	Lab Control Sample	110	79
LCS 880-46800/2-A	Lab Control Sample	110	113
LCSD 880-46799/3-A	Lab Control Sample Dup	118	84
LCSD 880-46800/3-A	Lab Control Sample Dup	111	114
MB 880-46799/1-A	Method Blank	143 S1+	123
MB 880-46800/1-A	Method Blank	0 S1-	0 S1-

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-46792/5-A
Matrix: Solid
Analysis Batch: 46819

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46792

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 11:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 11:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 11:19	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/20/23 15:19	02/21/23 11:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/23 15:19	02/21/23 11:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/20/23 15:19	02/21/23 11:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*02/20/23 15:19*	*02/21/23 11:19*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/20/23 15:19*	*02/21/23 11:19*	*1*

Lab Sample ID: MB 880-46842/5-A
Matrix: Solid
Analysis Batch: 46820

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46842

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/23 11:47	02/21/23 14:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*02/21/23 11:47*	*02/21/23 14:08*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/21/23 11:47*	*02/21/23 14:08*	*1*

Lab Sample ID: LCS 880-46842/1-A
Matrix: Solid
Analysis Batch: 46820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46842

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07828		mg/Kg		78	70 - 130		
Toluene			0.100	0.07493		mg/Kg		75	70 - 130		
Ethylbenzene			0.100	0.07608		mg/Kg		76	70 - 130		
m,p-Xylenes			0.200	0.1610		mg/Kg		81	70 - 130		
o-Xylene			0.100	0.07663		mg/Kg		77	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-46842/2-A
Matrix: Solid
Analysis Batch: 46820

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46842

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07074		mg/Kg		71	70 - 130	10	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

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

Lab Sample ID: LCSD 880-46842/2-A
Matrix: Solid
Analysis Batch: 46820

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46842

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.06627	*-	mg/Kg		66	70 - 130	12	35
Ethylbenzene			0.100	0.06669	*-	mg/Kg		67	70 - 130	13	35
m,p-Xylenes			0.200	0.1403		mg/Kg		70	70 - 130	14	35
o-Xylene			0.100	0.06695	*-	mg/Kg		67	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-46843/5-A
Matrix: Solid
Analysis Batch: 46822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46843

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:50	02/21/23 17:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:50	02/21/23 17:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:50	02/21/23 17:41	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/21/23 11:50	02/21/23 17:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:50	02/21/23 17:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/23 11:50	02/21/23 17:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/21/23 11:50*	*02/21/23 17:41*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*02/21/23 11:50*	*02/21/23 17:41*	*1*

Lab Sample ID: LCS 880-46843/1-A
Matrix: Solid
Analysis Batch: 46822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46843

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1380	*+	mg/Kg		138	70 - 130		
Toluene			0.100	0.1263		mg/Kg		126	70 - 130		
Ethylbenzene			0.100	0.1424	*+	mg/Kg		142	70 - 130		
m,p-Xylenes			0.200	0.2934	*+	mg/Kg		147	70 - 130		
o-Xylene			0.100	0.1377	*+	mg/Kg		138	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*186*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: LCSD 880-46843/2-A
Matrix: Solid
Analysis Batch: 46822

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46843

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1371	*+	mg/Kg		137	70 - 130	1	35
Toluene			0.100	0.1242		mg/Kg		124	70 - 130	2	35
Ethylbenzene			0.100	0.1296		mg/Kg		130	70 - 130	9	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

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

Lab Sample ID: LCSD 880-46843/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46822 — **Prep Batch: 46843**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes			0.200	0.2666	*+	mg/Kg		133	70 - 130	10	35
o-Xylene			0.100	0.1323	*+	mg/Kg		132	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: 880-24917-1 MS — **Client Sample ID: SW-1 , 0-2.1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46822 — **Prep Batch: 46843**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U *+	0.100	0.09515		mg/Kg		95	70 - 130
Toluene	<0.00202	U F1	0.100	0.07920		mg/Kg		79	70 - 130
Ethylbenzene	<0.00202	U *+ F1	0.100	0.08523		mg/Kg		85	70 - 130
m,p-Xylenes	<0.00403	U *+ F1	0.201	0.1822		mg/Kg		91	70 - 130
o-Xylene	<0.00202	U *+	0.100	0.08452		mg/Kg		84	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: 880-24917-1 MSD — **Client Sample ID: SW-1 , 0-2.1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46822 — **Prep Batch: 46843**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U *+	0.0990	0.09253		mg/Kg		93	70 - 130	3	35
Toluene	<0.00202	U F1	0.0990	0.06428	F1	mg/Kg		65	70 - 130	21	35
Ethylbenzene	<0.00202	U *+ F1	0.0990	0.06669	F1	mg/Kg		67	70 - 130	24	35
m,p-Xylenes	<0.00403	U *+ F1	0.198	0.1375	F1	mg/Kg		69	70 - 130	28	35
o-Xylene	<0.00202	U *+	0.0990	0.07332		mg/Kg		74	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-46851/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46819 — **Prep Batch: 46851**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/23 13:43	02/21/23 21:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 13:43	02/21/23 21:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/23 13:43	02/21/23 21:55	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/21/23 13:43	02/21/23 21:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/23 13:43	02/21/23 21:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/23 13:43	02/21/23 21:55	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	02/21/23 13:43	02/21/23 21:55	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/21/23 13:43	02/21/23 21:55	1

Lab Sample ID: LCS 880-46851/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46819 — **Prep Batch: 46851**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1226		mg/Kg		123	70 - 130		
Toluene			0.100	0.1112		mg/Kg		111	70 - 130		
Ethylbenzene			0.100	0.1142		mg/Kg		114	70 - 130		
m,p-Xylenes			0.200	0.2442		mg/Kg		122	70 - 130		
o-Xylene			0.100	0.1216		mg/Kg		122	70 - 130		

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

Lab Sample ID: LCSD 880-46851/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46819 — **Prep Batch: 46851**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1135		mg/Kg		113	70 - 130	8	35
Toluene			0.100	0.1045		mg/Kg		105	70 - 130	6	35
Ethylbenzene			0.100	0.1122		mg/Kg		112	70 - 130	2	35
m,p-Xylenes			0.200	0.2387		mg/Kg		119	70 - 130	2	35
o-Xylene			0.100	0.1193		mg/Kg		119	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

Lab Sample ID: 880-24917-25 MS — **Client Sample ID: C-63, 4.1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46819 — **Prep Batch: 46851**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.1060		mg/Kg		106	70 - 130		
Toluene	<0.00201	U	0.100	0.09698		mg/Kg		97	70 - 130		
Ethylbenzene	<0.00201	U	0.100	0.1047		mg/Kg		104	70 - 130		
m,p-Xylenes	<0.00402	U	0.201	0.2208		mg/Kg		110	70 - 130		
o-Xylene	<0.00201	U	0.100	0.1090		mg/Kg		109	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

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

Lab Sample ID: 880-24917-25 MSD
Matrix: Solid
Analysis Batch: 46819

Client Sample ID: C-63, 4.1'
Prep Type: Total/NA
Prep Batch: 46851

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1021		mg/Kg		103	70 - 130	4	35
Toluene	<0.00201	U	0.0996	0.09833		mg/Kg		99	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.0996	0.1099		mg/Kg		110	70 - 130	5	35
m,p-Xylenes	<0.00402	U	0.199	0.2327		mg/Kg		117	70 - 130	5	35
o-Xylene	<0.00201	U	0.0996	0.1150		mg/Kg		115	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-46799/1-A
Matrix: Solid
Analysis Batch: 46673

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46799

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		02/20/23 16:53	02/20/23 20:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:53	02/20/23 20:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:53	02/20/23 20:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*143*	*S1+*	*70 - 130*	*02/20/23 16:53*	*02/20/23 20:16*	*1*
o-Terphenyl (Surr)	*123*		*70 - 130*	*02/20/23 16:53*	*02/20/23 20:16*	*1*

Lab Sample ID: LCS 880-46799/2-A
Matrix: Solid
Analysis Batch: 46673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46799

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1359	*+	mg/Kg		136	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1389	*+	mg/Kg		139	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*110*		*70 - 130*
o-Terphenyl (Surr)	*79*		*70 - 130*

Lab Sample ID: LCSD 880-46799/3-A
Matrix: Solid
Analysis Batch: 46673

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46799

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1473	*+	mg/Kg		147	70 - 130	8	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

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

Lab Sample ID: LCSD 880-46799/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46673 — **Prep Batch: 46799**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)			1000	1463	*+	mg/Kg		146	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*118*		*70 - 130*
o-Terphenyl (Surr)	*84*		*70 - 130*

Lab Sample ID: 880-24917-1 MS — **Client Sample ID: SW-1 , 0-2.1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46673 — **Prep Batch: 46799**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	997	1102		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U *+	997	1052		mg/Kg		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*135*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-24917-1 MSD — **Client Sample ID: SW-1 , 0-2.1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46673 — **Prep Batch: 46799**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	998	971.8		mg/Kg		95	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<50.0	U *+	998	907.1		mg/Kg		89	70 - 130	15	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*111*		*70 - 130*
o-Terphenyl (Surr)	*85*		*70 - 130*

Lab Sample ID: MB 880-46800/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46679 — **Prep Batch: 46800**

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		02/20/23 16:55	02/20/23 21:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/20/23 16:55	02/20/23 21:10	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/20/23 16:55	02/20/23 21:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*0*	*S1-*	*70 - 130*	*02/20/23 16:55*	*02/20/23 21:10*	*1*
o-Terphenyl (Surr)	*0*	*S1-*	*70 - 130*	*02/20/23 16:55*	*02/20/23 21:10*	*1*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

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

Lab Sample ID: LCS 880-46800/2-A
Matrix: Solid
Analysis Batch: 46679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46800

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	941.8		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1492	*+	mg/Kg		149	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*110*		*70 - 130*
o-Terphenyl (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-46800/3-A
Matrix: Solid
Analysis Batch: 46679

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46800

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	886.2		mg/Kg		89	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1351	*+	mg/Kg		135	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*111*		*70 - 130*
o-Terphenyl (Surr)	*114*		*70 - 130*

Lab Sample ID: 880-24917-21 MS
Matrix: Solid
Analysis Batch: 46679

Client Sample ID: SW-10 , 0-4.1'
Prep Type: Total/NA
Prep Batch: 46800

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1061		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *+	999	1182		mg/Kg		118	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*126*		*70 - 130*
o-Terphenyl (Surr)	*119*		*70 - 130*

Lab Sample ID: 880-24917-21 MSD
Matrix: Solid
Analysis Batch: 46679

Client Sample ID: SW-10 , 0-4.1'
Prep Type: Total/NA
Prep Batch: 46800

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1097		mg/Kg		110	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+	998	1167		mg/Kg		117	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*125*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

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

Lab Sample ID: 880-24917-21 MSD
Matrix: Solid
Analysis Batch: 46679

Client Sample ID: SW-10 , 0-4.1'
Prep Type: Total/NA
Prep Batch: 46800

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	118		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-46710/1-A
Matrix: Solid
Analysis Batch: 46812

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/20/23 23:30	1

Lab Sample ID: LCS 880-46710/2-A
Matrix: Solid
Analysis Batch: 46812

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	245.3		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-46710/3-A
Matrix: Solid
Analysis Batch: 46812

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.8		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-24917-6 MS
Matrix: Solid
Analysis Batch: 46812

Client Sample ID: C-49 , 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1130		249	1252	4	mg/Kg		51	90 - 110		

Lab Sample ID: 880-24917-6 MSD
Matrix: Solid
Analysis Batch: 46812

Client Sample ID: C-49 , 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1130		249	1252	4	mg/Kg		51	90 - 110	0	20

Lab Sample ID: MB 880-46711/1-A
Matrix: Solid
Analysis Batch: 46813

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/21/23 06:01	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-46711/2-A
Matrix: Solid
Analysis Batch: 46813

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	246.2		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-46711/3-A
Matrix: Solid
Analysis Batch: 46813

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	247.1		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-24917-16 MS
Matrix: Solid
Analysis Batch: 46813

Client Sample ID: C-59 , 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2440	F1	1250	3841	F1	mg/Kg		112	90 - 110		

Lab Sample ID: 880-24917-16 MSD
Matrix: Solid
Analysis Batch: 46813

Client Sample ID: C-59 , 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2440	F1	1250	3849	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: 880-24917-26 MS
Matrix: Solid
Analysis Batch: 46813

Client Sample ID: SW-11 , 0-4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2440	F1	1240	3849	F1	mg/Kg		114	90 - 110		

Lab Sample ID: 880-24917-26 MSD
Matrix: Solid
Analysis Batch: 46813

Client Sample ID: SW-11 , 0-4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2440	F1	1240	3852	F1	mg/Kg		114	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

GC VOA

Prep Batch: 46792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-46792/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 46819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-25	C-63, 4.1'	Total/NA	Solid	8021B	46851
880-24917-26	SW-11 , 0-4.1'	Total/NA	Solid	8021B	46851
880-24917-27	SW-12 , 2.1-4.1'	Total/NA	Solid	8021B	46851
880-24917-28	C-64, 2.1'	Total/NA	Solid	8021B	46851
880-24917-29	C-65, 2.1'	Total/NA	Solid	8021B	46851
880-24917-30	SW-13 , 0-2.1'	Total/NA	Solid	8021B	46851
MB 880-46792/5-A	Method Blank	Total/NA	Solid	8021B	46792
MB 880-46851/5-A	Method Blank	Total/NA	Solid	8021B	46851
LCS 880-46851/1-A	Lab Control Sample	Total/NA	Solid	8021B	46851
LCSD 880-46851/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46851
880-24917-25 MS	C-63, 4.1'	Total/NA	Solid	8021B	46851
880-24917-25 MSD	C-63, 4.1'	Total/NA	Solid	8021B	46851

Analysis Batch: 46820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-21	SW-10 , 0-4.1'	Total/NA	Solid	8021B	46842
880-24917-22	C-60, 2.1'	Total/NA	Solid	8021B	46842
880-24917-23	C-61, 2.1'	Total/NA	Solid	8021B	46842
880-24917-24	C-62, 4.1'	Total/NA	Solid	8021B	46842
MB 880-46842/5-A	Method Blank	Total/NA	Solid	8021B	46842
LCS 880-46842/1-A	Lab Control Sample	Total/NA	Solid	8021B	46842
LCSD 880-46842/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46842

Analysis Batch: 46822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-1	SW-1 , 0-2.1'	Total/NA	Solid	8021B	46843
880-24917-2	SW-2 , 0-4.1'	Total/NA	Solid	8021B	46843
880-24917-3	SW-3 , 0-4.1'	Total/NA	Solid	8021B	46843
880-24917-4	SW-4 , 2.1-4.1'	Total/NA	Solid	8021B	46843
880-24917-5	SW-5 , 2.1-4.1'	Total/NA	Solid	8021B	46843
880-24917-6	C-49 , 4.1'	Total/NA	Solid	8021B	46843
880-24917-7	C-50 , 4.1'	Total/NA	Solid	8021B	46843
880-24917-8	C-51 , 4.1'	Total/NA	Solid	8021B	46843
880-24917-9	C-52 , 4.1'	Total/NA	Solid	8021B	46843
880-24917-10	C-53 , 2.1'	Total/NA	Solid	8021B	46843
880-24917-11	C-54 , 4.1'	Total/NA	Solid	8021B	46843
880-24917-12	C-55 , 4.1'	Total/NA	Solid	8021B	46843
880-24917-13	C-56 , 4.1'	Total/NA	Solid	8021B	46843
880-24917-14	C-57 , 4.1'	Total/NA	Solid	8021B	46843
880-24917-15	C-58 , 4.1'	Total/NA	Solid	8021B	46843
880-24917-16	C-59 , 4.1'	Total/NA	Solid	8021B	46843
880-24917-17	SW-6 , 0-4.1'	Total/NA	Solid	8021B	46843
880-24917-18	SW-7 , 0-4.1'	Total/NA	Solid	8021B	46843
880-24917-19	SW-8 , 2.1'-4.1'	Total/NA	Solid	8021B	46843
880-24917-20	SW-9 , 2.1'-4.1'	Total/NA	Solid	8021B	46843
MB 880-46843/5-A	Method Blank	Total/NA	Solid	8021B	46843
LCS 880-46843/1-A	Lab Control Sample	Total/NA	Solid	8021B	46843

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

GC VOA (Continued)

Analysis Batch: 46822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-46843/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46843
880-24917-1 MS	SW-1 , 0-2.1'	Total/NA	Solid	8021B	46843
880-24917-1 MSD	SW-1 , 0-2.1'	Total/NA	Solid	8021B	46843

Prep Batch: 46842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-21	SW-10 , 0-4.1'	Total/NA	Solid	5035	
880-24917-22	C-60, 2.1'	Total/NA	Solid	5035	
880-24917-23	C-61, 2.1'	Total/NA	Solid	5035	
880-24917-24	C-62, 4.1'	Total/NA	Solid	5035	
MB 880-46842/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46842/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46842/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 46843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-1	SW-1 , 0-2.1'	Total/NA	Solid	5035	
880-24917-2	SW-2 , 0-4.1'	Total/NA	Solid	5035	
880-24917-3	SW-3 , 0-4.1'	Total/NA	Solid	5035	
880-24917-4	SW-4 , 2.1-4.1'	Total/NA	Solid	5035	
880-24917-5	SW-5 , 2.1-4.1'	Total/NA	Solid	5035	
880-24917-6	C-49 , 4.1'	Total/NA	Solid	5035	
880-24917-7	C-50 , 4.1'	Total/NA	Solid	5035	
880-24917-8	C-51 , 4.1'	Total/NA	Solid	5035	
880-24917-9	C-52 , 4.1'	Total/NA	Solid	5035	
880-24917-10	C-53 , 2.1'	Total/NA	Solid	5035	
880-24917-11	C-54 , 4.1'	Total/NA	Solid	5035	
880-24917-12	C-55 , 4.1'	Total/NA	Solid	5035	
880-24917-13	C-56 , 4.1'	Total/NA	Solid	5035	
880-24917-14	C-57 , 4.1'	Total/NA	Solid	5035	
880-24917-15	C-58 , 4.1'	Total/NA	Solid	5035	
880-24917-16	C-59 , 4.1'	Total/NA	Solid	5035	
880-24917-17	SW-6 , 0-4.1'	Total/NA	Solid	5035	
880-24917-18	SW-7 , 0-4.1'	Total/NA	Solid	5035	
880-24917-19	SW-8 , 2.1'-4.1'	Total/NA	Solid	5035	
880-24917-20	SW-9 , 2.1'-4.1'	Total/NA	Solid	5035	
MB 880-46843/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46843/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46843/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24917-1 MS	SW-1 , 0-2.1'	Total/NA	Solid	5035	
880-24917-1 MSD	SW-1 , 0-2.1'	Total/NA	Solid	5035	

Prep Batch: 46851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-25	C-63, 4.1'	Total/NA	Solid	5035	
880-24917-26	SW-11 , 0-4.1'	Total/NA	Solid	5035	
880-24917-27	SW-12 , 2.1-4.1'	Total/NA	Solid	5035	
880-24917-28	C-64, 2.1'	Total/NA	Solid	5035	
880-24917-29	C-65, 2.1'	Total/NA	Solid	5035	
880-24917-30	SW-13 , 0-2.1'	Total/NA	Solid	5035	
MB 880-46851/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

GC VOA (Continued)

Prep Batch: 46851 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-46851/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46851/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24917-25 MS	C-63, 4.1'	Total/NA	Solid	5035	
880-24917-25 MSD	C-63, 4.1'	Total/NA	Solid	5035	

Analysis Batch: 46945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-1	SW-1 , 0-2.1'	Total/NA	Solid	Total BTEX	
880-24917-2	SW-2 , 0-4.1'	Total/NA	Solid	Total BTEX	
880-24917-3	SW-3 , 0-4.1'	Total/NA	Solid	Total BTEX	
880-24917-4	SW-4 , 2.1-4.1'	Total/NA	Solid	Total BTEX	
880-24917-5	SW-5 , 2.1-4.1'	Total/NA	Solid	Total BTEX	
880-24917-6	C-49 , 4.1'	Total/NA	Solid	Total BTEX	
880-24917-7	C-50 , 4.1'	Total/NA	Solid	Total BTEX	
880-24917-8	C-51 , 4.1'	Total/NA	Solid	Total BTEX	
880-24917-9	C-52 , 4.1'	Total/NA	Solid	Total BTEX	
880-24917-10	C-53 , 2.1'	Total/NA	Solid	Total BTEX	
880-24917-11	C-54 , 4.1'	Total/NA	Solid	Total BTEX	
880-24917-12	C-55 , 4.1'	Total/NA	Solid	Total BTEX	
880-24917-13	C-56 , 4.1'	Total/NA	Solid	Total BTEX	
880-24917-14	C-57 , 4.1'	Total/NA	Solid	Total BTEX	
880-24917-15	C-58 , 4.1'	Total/NA	Solid	Total BTEX	
880-24917-16	C-59 , 4.1'	Total/NA	Solid	Total BTEX	
880-24917-17	SW-6 , 0-4.1'	Total/NA	Solid	Total BTEX	
880-24917-18	SW-7 , 0-4.1'	Total/NA	Solid	Total BTEX	
880-24917-19	SW-8 , 2.1'-4.1'	Total/NA	Solid	Total BTEX	
880-24917-20	SW-9 , 2.1'-4.1'	Total/NA	Solid	Total BTEX	
880-24917-21	SW-10 , 0-4.1'	Total/NA	Solid	Total BTEX	
880-24917-22	C-60, 2.1'	Total/NA	Solid	Total BTEX	
880-24917-23	C-61, 2.1'	Total/NA	Solid	Total BTEX	
880-24917-24	C-62, 4.1'	Total/NA	Solid	Total BTEX	
880-24917-25	C-63, 4.1'	Total/NA	Solid	Total BTEX	
880-24917-26	SW-11 , 0-4.1'	Total/NA	Solid	Total BTEX	
880-24917-27	SW-12 , 2.1-4.1'	Total/NA	Solid	Total BTEX	
880-24917-28	C-64, 2.1'	Total/NA	Solid	Total BTEX	
880-24917-29	C-65, 2.1'	Total/NA	Solid	Total BTEX	
880-24917-30	SW-13 , 0-2.1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 46673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-1	SW-1 , 0-2.1'	Total/NA	Solid	8015B NM	46799
880-24917-2	SW-2 , 0-4.1'	Total/NA	Solid	8015B NM	46799
880-24917-3	SW-3 , 0-4.1'	Total/NA	Solid	8015B NM	46799
880-24917-4	SW-4 , 2.1-4.1'	Total/NA	Solid	8015B NM	46799
880-24917-5	SW-5 , 2.1-4.1'	Total/NA	Solid	8015B NM	46799
880-24917-6	C-49 , 4.1'	Total/NA	Solid	8015B NM	46799
880-24917-7	C-50 , 4.1'	Total/NA	Solid	8015B NM	46799
880-24917-8	C-51 , 4.1'	Total/NA	Solid	8015B NM	46799
880-24917-9	C-52 , 4.1'	Total/NA	Solid	8015B NM	46799

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

GC Semi VOA (Continued)

Analysis Batch: 46673 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-10	C-53 , 2.1'	Total/NA	Solid	8015B NM	46799
880-24917-11	C-54 , 4.1'	Total/NA	Solid	8015B NM	46799
880-24917-12	C-55 , 4.1'	Total/NA	Solid	8015B NM	46799
880-24917-13	C-56 , 4.1'	Total/NA	Solid	8015B NM	46799
880-24917-14	C-57 , 4.1'	Total/NA	Solid	8015B NM	46799
880-24917-15	C-58 , 4.1'	Total/NA	Solid	8015B NM	46799
880-24917-16	C-59 , 4.1'	Total/NA	Solid	8015B NM	46799
880-24917-17	SW-6 , 0-4.1'	Total/NA	Solid	8015B NM	46799
880-24917-18	SW-7 , 0-4.1'	Total/NA	Solid	8015B NM	46799
880-24917-19	SW-8 , 2.1'-4.1'	Total/NA	Solid	8015B NM	46799
880-24917-20	SW-9 , 2.1'-4.1'	Total/NA	Solid	8015B NM	46799
MB 880-46799/1-A	Method Blank	Total/NA	Solid	8015B NM	46799
LCS 880-46799/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	46799
LCSD 880-46799/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	46799
880-24917-1 MS	SW-1 , 0-2.1'	Total/NA	Solid	8015B NM	46799
880-24917-1 MSD	SW-1 , 0-2.1'	Total/NA	Solid	8015B NM	46799

Analysis Batch: 46679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-21	SW-10 , 0-4.1'	Total/NA	Solid	8015B NM	46800
880-24917-22	C-60, 2.1'	Total/NA	Solid	8015B NM	46800
880-24917-23	C-61, 2.1'	Total/NA	Solid	8015B NM	46800
880-24917-24	C-62, 4.1'	Total/NA	Solid	8015B NM	46800
880-24917-25	C-63, 4.1'	Total/NA	Solid	8015B NM	46800
880-24917-26	SW-11 , 0-4.1'	Total/NA	Solid	8015B NM	46800
880-24917-27	SW-12 , 2.1-4.1'	Total/NA	Solid	8015B NM	46800
880-24917-28	C-64, 2.1'	Total/NA	Solid	8015B NM	46800
880-24917-29	C-65, 2.1'	Total/NA	Solid	8015B NM	46800
880-24917-30	SW-13 , 0-2.1'	Total/NA	Solid	8015B NM	46800
MB 880-46800/1-A	Method Blank	Total/NA	Solid	8015B NM	46800
LCS 880-46800/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	46800
LCSD 880-46800/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	46800
880-24917-21 MS	SW-10 , 0-4.1'	Total/NA	Solid	8015B NM	46800
880-24917-21 MSD	SW-10 , 0-4.1'	Total/NA	Solid	8015B NM	46800

Prep Batch: 46799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-1	SW-1 , 0-2.1'	Total/NA	Solid	8015NM Prep	
880-24917-2	SW-2 , 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24917-3	SW-3 , 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24917-4	SW-4 , 2.1-4.1'	Total/NA	Solid	8015NM Prep	
880-24917-5	SW-5 , 2.1-4.1'	Total/NA	Solid	8015NM Prep	
880-24917-6	C-49 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24917-7	C-50 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24917-8	C-51 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24917-9	C-52 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24917-10	C-53 , 2.1'	Total/NA	Solid	8015NM Prep	
880-24917-11	C-54 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24917-12	C-55 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24917-13	C-56 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24917-14	C-57 , 4.1'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

GC Semi VOA (Continued)

Prep Batch: 46799 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-15	C-58 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24917-16	C-59 , 4.1'	Total/NA	Solid	8015NM Prep	
880-24917-17	SW-6 , 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24917-18	SW-7 , 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24917-19	SW-8 , 2.1'-4.1'	Total/NA	Solid	8015NM Prep	
880-24917-20	SW-9 , 2.1'-4.1'	Total/NA	Solid	8015NM Prep	
MB 880-46799/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-46799/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-46799/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24917-1 MS	SW-1 , 0-2.1'	Total/NA	Solid	8015NM Prep	
880-24917-1 MSD	SW-1 , 0-2.1'	Total/NA	Solid	8015NM Prep	

Prep Batch: 46800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-21	SW-10 , 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24917-22	C-60, 2.1'	Total/NA	Solid	8015NM Prep	
880-24917-23	C-61, 2.1'	Total/NA	Solid	8015NM Prep	
880-24917-24	C-62, 4.1'	Total/NA	Solid	8015NM Prep	
880-24917-25	C-63, 4.1'	Total/NA	Solid	8015NM Prep	
880-24917-26	SW-11 , 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24917-27	SW-12 , 2.1-4.1'	Total/NA	Solid	8015NM Prep	
880-24917-28	C-64, 2.1'	Total/NA	Solid	8015NM Prep	
880-24917-29	C-65, 2.1'	Total/NA	Solid	8015NM Prep	
880-24917-30	SW-13 , 0-2.1'	Total/NA	Solid	8015NM Prep	
MB 880-46800/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-46800/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-46800/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24917-21 MS	SW-10 , 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24917-21 MSD	SW-10 , 0-4.1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 46899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-1	SW-1 , 0-2.1'	Total/NA	Solid	8015 NM	
880-24917-2	SW-2 , 0-4.1'	Total/NA	Solid	8015 NM	
880-24917-3	SW-3 , 0-4.1'	Total/NA	Solid	8015 NM	
880-24917-4	SW-4 , 2.1-4.1'	Total/NA	Solid	8015 NM	
880-24917-5	SW-5 , 2.1-4.1'	Total/NA	Solid	8015 NM	
880-24917-6	C-49 , 4.1'	Total/NA	Solid	8015 NM	
880-24917-7	C-50 , 4.1'	Total/NA	Solid	8015 NM	
880-24917-8	C-51 , 4.1'	Total/NA	Solid	8015 NM	
880-24917-9	C-52 , 4.1'	Total/NA	Solid	8015 NM	
880-24917-10	C-53 , 2.1'	Total/NA	Solid	8015 NM	
880-24917-11	C-54 , 4.1'	Total/NA	Solid	8015 NM	
880-24917-12	C-55 , 4.1'	Total/NA	Solid	8015 NM	
880-24917-13	C-56 , 4.1'	Total/NA	Solid	8015 NM	
880-24917-14	C-57 , 4.1'	Total/NA	Solid	8015 NM	
880-24917-15	C-58 , 4.1'	Total/NA	Solid	8015 NM	
880-24917-16	C-59 , 4.1'	Total/NA	Solid	8015 NM	
880-24917-17	SW-6 , 0-4.1'	Total/NA	Solid	8015 NM	
880-24917-18	SW-7 , 0-4.1'	Total/NA	Solid	8015 NM	
880-24917-19	SW-8 , 2.1'-4.1'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

GC Semi VOA (Continued)

Analysis Batch: 46899 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-20	SW-9 , 2.1'-4.1'	Total/NA	Solid	8015 NM	
880-24917-21	SW-10 , 0-4.1'	Total/NA	Solid	8015 NM	
880-24917-22	C-60, 2.1'	Total/NA	Solid	8015 NM	
880-24917-23	C-61, 2.1'	Total/NA	Solid	8015 NM	
880-24917-24	C-62, 4.1'	Total/NA	Solid	8015 NM	
880-24917-25	C-63, 4.1'	Total/NA	Solid	8015 NM	
880-24917-26	SW-11 , 0-4.1'	Total/NA	Solid	8015 NM	
880-24917-27	SW-12 , 2.1-4.1'	Total/NA	Solid	8015 NM	
880-24917-28	C-64, 2.1'	Total/NA	Solid	8015 NM	
880-24917-29	C-65, 2.1'	Total/NA	Solid	8015 NM	
880-24917-30	SW-13 , 0-2.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 46710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-1	SW-1 , 0-2.1'	Soluble	Solid	DI Leach	
880-24917-2	SW-2 , 0-4.1'	Soluble	Solid	DI Leach	
880-24917-3	SW-3 , 0-4.1'	Soluble	Solid	DI Leach	
880-24917-4	SW-4 , 2.1-4.1'	Soluble	Solid	DI Leach	
880-24917-5	SW-5 , 2.1-4.1'	Soluble	Solid	DI Leach	
880-24917-6	C-49 , 4.1'	Soluble	Solid	DI Leach	
880-24917-7	C-50 , 4.1'	Soluble	Solid	DI Leach	
880-24917-8	C-51 , 4.1'	Soluble	Solid	DI Leach	
880-24917-9	C-52 , 4.1'	Soluble	Solid	DI Leach	
880-24917-10	C-53 , 2.1'	Soluble	Solid	DI Leach	
880-24917-11	C-54 , 4.1'	Soluble	Solid	DI Leach	
880-24917-12	C-55 , 4.1'	Soluble	Solid	DI Leach	
880-24917-13	C-56 , 4.1'	Soluble	Solid	DI Leach	
880-24917-14	C-57 , 4.1'	Soluble	Solid	DI Leach	
880-24917-15	C-58 , 4.1'	Soluble	Solid	DI Leach	
MB 880-46710/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-46710/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-46710/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24917-6 MS	C-49 , 4.1'	Soluble	Solid	DI Leach	
880-24917-6 MSD	C-49 , 4.1'	Soluble	Solid	DI Leach	

Leach Batch: 46711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-16	C-59 , 4.1'	Soluble	Solid	DI Leach	
880-24917-17	SW-6 , 0-4.1'	Soluble	Solid	DI Leach	
880-24917-18	SW-7 , 0-4.1'	Soluble	Solid	DI Leach	
880-24917-19	SW-8 , 2.1'-4.1'	Soluble	Solid	DI Leach	
880-24917-20	SW-9 , 2.1'-4.1'	Soluble	Solid	DI Leach	
880-24917-21	SW-10 , 0-4.1'	Soluble	Solid	DI Leach	
880-24917-22	C-60, 2.1'	Soluble	Solid	DI Leach	
880-24917-23	C-61, 2.1'	Soluble	Solid	DI Leach	
880-24917-24	C-62, 4.1'	Soluble	Solid	DI Leach	
880-24917-25	C-63, 4.1'	Soluble	Solid	DI Leach	
880-24917-26	SW-11 , 0-4.1'	Soluble	Solid	DI Leach	
880-24917-27	SW-12 , 2.1-4.1'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

HPLC/IC (Continued)

Leach Batch: 46711 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-28	C-64, 2.1'	Soluble	Solid	DI Leach	
880-24917-29	C-65, 2.1'	Soluble	Solid	DI Leach	
880-24917-30	SW-13 , 0-2.1'	Soluble	Solid	DI Leach	
MB 880-46711/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-46711/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-46711/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24917-16 MS	C-59 , 4.1'	Soluble	Solid	DI Leach	
880-24917-16 MSD	C-59 , 4.1'	Soluble	Solid	DI Leach	
880-24917-26 MS	SW-11 , 0-4.1'	Soluble	Solid	DI Leach	
880-24917-26 MSD	SW-11 , 0-4.1'	Soluble	Solid	DI Leach	

Analysis Batch: 46812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-1	SW-1 , 0-2.1'	Soluble	Solid	300.0	46710
880-24917-2	SW-2 , 0-4.1'	Soluble	Solid	300.0	46710
880-24917-3	SW-3 , 0-4.1'	Soluble	Solid	300.0	46710
880-24917-4	SW-4 , 2.1-4.1'	Soluble	Solid	300.0	46710
880-24917-5	SW-5 , 2.1-4.1'	Soluble	Solid	300.0	46710
880-24917-6	C-49 , 4.1'	Soluble	Solid	300.0	46710
880-24917-7	C-50 , 4.1'	Soluble	Solid	300.0	46710
880-24917-8	C-51 , 4.1'	Soluble	Solid	300.0	46710
880-24917-9	C-52 , 4.1'	Soluble	Solid	300.0	46710
880-24917-10	C-53 , 2.1'	Soluble	Solid	300.0	46710
880-24917-11	C-54 , 4.1'	Soluble	Solid	300.0	46710
880-24917-12	C-55 , 4.1'	Soluble	Solid	300.0	46710
880-24917-13	C-56 , 4.1'	Soluble	Solid	300.0	46710
880-24917-14	C-57 , 4.1'	Soluble	Solid	300.0	46710
880-24917-15	C-58 , 4.1'	Soluble	Solid	300.0	46710
MB 880-46710/1-A	Method Blank	Soluble	Solid	300.0	46710
LCS 880-46710/2-A	Lab Control Sample	Soluble	Solid	300.0	46710
LCSD 880-46710/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	46710
880-24917-6 MS	C-49 , 4.1'	Soluble	Solid	300.0	46710
880-24917-6 MSD	C-49 , 4.1'	Soluble	Solid	300.0	46710

Analysis Batch: 46813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24917-16	C-59 , 4.1'	Soluble	Solid	300.0	46711
880-24917-17	SW-6 , 0-4.1'	Soluble	Solid	300.0	46711
880-24917-18	SW-7 , 0-4.1'	Soluble	Solid	300.0	46711
880-24917-19	SW-8 , 2.1'-4.1'	Soluble	Solid	300.0	46711
880-24917-20	SW-9 , 2.1'-4.1'	Soluble	Solid	300.0	46711
880-24917-21	SW-10 , 0-4.1'	Soluble	Solid	300.0	46711
880-24917-22	C-60, 2.1'	Soluble	Solid	300.0	46711
880-24917-23	C-61, 2.1'	Soluble	Solid	300.0	46711
880-24917-24	C-62, 4.1'	Soluble	Solid	300.0	46711
880-24917-25	C-63, 4.1'	Soluble	Solid	300.0	46711
880-24917-26	SW-11 , 0-4.1'	Soluble	Solid	300.0	46711
880-24917-27	SW-12 , 2.1-4.1'	Soluble	Solid	300.0	46711
880-24917-28	C-64, 2.1'	Soluble	Solid	300.0	46711
880-24917-29	C-65, 2.1'	Soluble	Solid	300.0	46711
880-24917-30	SW-13 , 0-2.1'	Soluble	Solid	300.0	46711

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

HPLC/IC (Continued)

Analysis Batch: 46813 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-46711/1-A	Method Blank	Soluble	Solid	300.0	46711
LCS 880-46711/2-A	Lab Control Sample	Soluble	Solid	300.0	46711
LCSD 880-46711/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	46711
880-24917-16 MS	C-59 , 4.1'	Soluble	Solid	300.0	46711
880-24917-16 MSD	C-59 , 4.1'	Soluble	Solid	300.0	46711
880-24917-26 MS	SW-11 , 0-4.1'	Soluble	Solid	300.0	46711
880-24917-26 MSD	SW-11 , 0-4.1'	Soluble	Solid	300.0	46711

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-1 , 0-2.1'

Lab Sample ID: 880-24917-1
Matrix: Solid
Date Collected: 02/16/23 12:15
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/21/23 18:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/20/23 21:17	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/21/23 00:38	CH	EET MID

Client Sample ID: SW-2 , 0-4.1'

Lab Sample ID: 880-24917-2
Matrix: Solid
Date Collected: 02/16/23 12:30
Date Received: 02/20/23 09:06

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	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/21/23 18:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/20/23 22:17	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/21/23 00:44	CH	EET MID

Client Sample ID: SW-3 , 0-4.1'

Lab Sample ID: 880-24917-3
Matrix: Solid
Date Collected: 02/16/23 12:45
Date Received: 02/20/23 09:06

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	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/21/23 19:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/20/23 22:38	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/21/23 00:50	CH	EET MID

Client Sample ID: SW-4 , 2.1-4.1'

Lab Sample ID: 880-24917-4
Matrix: Solid
Date Collected: 02/16/23 13:00
Date Received: 02/20/23 09:06

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	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/21/23 19:27	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-4 , 2.1-4.1'

Lab Sample ID: 880-24917-4
Matrix: Solid
Date Collected: 02/16/23 13:00
Date Received: 02/20/23 09:06

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			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/20/23 22:59	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/21/23 00:55	CH	EET MID

Client Sample ID: SW-5 , 2.1-4.1'

Lab Sample ID: 880-24917-5
Matrix: Solid
Date Collected: 02/16/23 13:15
Date Received: 02/20/23 09:06

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	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/21/23 19:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/20/23 23:20	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/21/23 01:01	CH	EET MID

Client Sample ID: C-49 , 4.1'

Lab Sample ID: 880-24917-6
Matrix: Solid
Date Collected: 02/17/23 08:30
Date Received: 02/20/23 09:06

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	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/21/23 20:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/20/23 23:41	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/21/23 01:07	CH	EET MID

Client Sample ID: C-50 , 4.1'

Lab Sample ID: 880-24917-7
Matrix: Solid
Date Collected: 02/17/23 08:45
Date Received: 02/20/23 09:06

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	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/21/23 20:47	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 00:01	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-50 , 4.1'

Lab Sample ID: 880-24917-7
Matrix: Solid
Date Collected: 02/17/23 08:45
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/21/23 01:24	CH	EET MID

Client Sample ID: C-51 , 4.1'

Lab Sample ID: 880-24917-8
Matrix: Solid
Date Collected: 02/17/23 09:00
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/21/23 21:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 00:21	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/21/23 01:29	CH	EET MID

Client Sample ID: C-52 , 4.1'

Lab Sample ID: 880-24917-9
Matrix: Solid
Date Collected: 02/17/23 09:15
Date Received: 02/20/23 09:06

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	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/21/23 21:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 00:41	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		5			46812	02/21/23 01:46	CH	EET MID

Client Sample ID: C-53 , 2.1'

Lab Sample ID: 880-24917-10
Matrix: Solid
Date Collected: 02/17/23 09:30
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/21/23 22:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 01:01	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		5			46812	02/21/23 01:52	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-54 , 4.1'

Date Collected: 02/17/23 09:45
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/21/23 23:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 01:42	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		5			46812	02/21/23 01:58	CH	EET MID

Client Sample ID: C-55 , 4.1'

Date Collected: 02/17/23 10:00
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/22/23 00:18	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 02:02	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		5			46812	02/21/23 02:03	CH	EET MID

Client Sample ID: C-56 , 4.1'

Date Collected: 02/17/23 10:15
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/22/23 00:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 02:22	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		1			46812	02/21/23 02:09	CH	EET MID

Client Sample ID: C-57 , 4.1'

Date Collected: 02/17/23 10:30
Date Received: 02/20/23 09:06

Lab Sample ID: 880-24917-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/22/23 01:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-57 , 4.1'

Lab Sample ID: 880-24917-14
Matrix: Solid
Date Collected: 02/17/23 10:30
Date Received: 02/20/23 09:06

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			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 02:43	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		5			46812	02/21/23 02:15	CH	EET MID

Client Sample ID: C-58 , 4.1'

Lab Sample ID: 880-24917-15
Matrix: Solid
Date Collected: 02/17/23 10:45
Date Received: 02/20/23 09:06

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	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/22/23 01:38	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 03:03	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	46710	02/20/23 12:48	KS	EET MID
Soluble	Analysis	300.0		5			46812	02/21/23 02:20	CH	EET MID

Client Sample ID: C-59 , 4.1'

Lab Sample ID: 880-24917-16
Matrix: Solid
Date Collected: 02/17/23 11:00
Date Received: 02/20/23 09:06

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	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/22/23 02:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 03:23	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		5			46813	02/21/23 06:17	CH	EET MID

Client Sample ID: SW-6 , 0-4.1'

Lab Sample ID: 880-24917-17
Matrix: Solid
Date Collected: 02/17/23 11:15
Date Received: 02/20/23 09:06

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	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/22/23 02:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 03:43	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-6 , 0-4.1'

Lab Sample ID: 880-24917-17
Matrix: Solid
Date Collected: 02/17/23 11:15
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		1			46813	02/21/23 06:34	CH	EET MID

Client Sample ID: SW-7 , 0-4.1'

Lab Sample ID: 880-24917-18
Matrix: Solid
Date Collected: 02/17/23 11:30
Date Received: 02/20/23 09:06

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	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/22/23 02:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 04:04	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		1			46813	02/21/23 06:40	CH	EET MID

Client Sample ID: SW-8 , 2.1'-4.1'

Lab Sample ID: 880-24917-19
Matrix: Solid
Date Collected: 02/17/23 11:45
Date Received: 02/20/23 09:06

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	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/22/23 03:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 04:24	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		5			46813	02/21/23 06:46	CH	EET MID

Client Sample ID: SW-9 , 2.1'-4.1'

Lab Sample ID: 880-24917-20
Matrix: Solid
Date Collected: 02/17/23 12:00
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	46843	02/21/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46822	02/22/23 03:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 15:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/22/23 15:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46799	02/20/23 16:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46673	02/21/23 04:45	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		5			46813	02/21/23 06:51	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-10 , 0-4.1'

Lab Sample ID: 880-24917-21
Matrix: Solid
Date Collected: 02/17/23 12:15
Date Received: 02/20/23 09:06

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	46842	02/21/23 11:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46820	02/21/23 22:00	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 14:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/20/23 22:15	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		1			46813	02/21/23 07:08	CH	EET MID

Client Sample ID: C-60, 2.1'

Lab Sample ID: 880-24917-22
Matrix: Solid
Date Collected: 02/17/23 13:00
Date Received: 02/20/23 09:06

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	46842	02/21/23 11:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46820	02/21/23 22:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 14:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/20/23 23:21	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		1			46813	02/21/23 07:14	CH	EET MID

Client Sample ID: C-61, 2.1'

Lab Sample ID: 880-24917-23
Matrix: Solid
Date Collected: 02/17/23 13:15
Date Received: 02/20/23 09:06

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	46842	02/21/23 11:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46820	02/21/23 22:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 14:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/20/23 23:42	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		5			46813	02/21/23 07:20	CH	EET MID

Client Sample ID: C-62, 4.1'

Lab Sample ID: 880-24917-24
Matrix: Solid
Date Collected: 02/17/23 13:30
Date Received: 02/20/23 09:06

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	46842	02/21/23 11:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46820	02/21/23 23:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 14:13	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: C-62, 4.1'

Lab Sample ID: 880-24917-24
Matrix: Solid
Date Collected: 02/17/23 13:30
Date Received: 02/20/23 09:06

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			46899	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/21/23 00:04	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		1			46813	02/21/23 07:25	CH	EET MID

Client Sample ID: C-63, 4.1'

Lab Sample ID: 880-24917-25
Matrix: Solid
Date Collected: 02/17/23 13:45
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	46851	02/21/23 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 22:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/21/23 00:25	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		1			46813	02/21/23 07:31	CH	EET MID

Client Sample ID: SW-11 , 0-4.1'

Lab Sample ID: 880-24917-26
Matrix: Solid
Date Collected: 02/17/23 15:00
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	46851	02/21/23 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 22:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/21/23 00:46	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		5			46813	02/21/23 07:37	CH	EET MID

Client Sample ID: SW-12 , 2.1-4.1'

Lab Sample ID: 880-24917-27
Matrix: Solid
Date Collected: 02/17/23 15:15
Date Received: 02/20/23 09:06

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	46851	02/21/23 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 22:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/21/23 01:08	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Client Sample ID: SW-12 , 2.1-4.1'

Lab Sample ID: 880-24917-27
Matrix: Solid
Date Collected: 02/17/23 15:15
Date Received: 02/20/23 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		5			46813	02/21/23 07:54	CH	EET MID

Client Sample ID: C-64, 2.1'

Lab Sample ID: 880-24917-28
Matrix: Solid
Date Collected: 02/17/23 15:30
Date Received: 02/20/23 09:06

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	46851	02/21/23 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 23:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/21/23 01:29	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		1			46813	02/21/23 07:59	CH	EET MID

Client Sample ID: C-65, 2.1'

Lab Sample ID: 880-24917-29
Matrix: Solid
Date Collected: 02/17/23 15:45
Date Received: 02/20/23 09:06

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	46851	02/21/23 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 23:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/21/23 01:51	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		1			46813	02/21/23 08:16	CH	EET MID

Client Sample ID: SW-13 , 0-2.1'

Lab Sample ID: 880-24917-30
Matrix: Solid
Date Collected: 02/17/23 16:00
Date Received: 02/20/23 09:06

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	46851	02/21/23 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46819	02/21/23 23:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46945	02/22/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46899	02/21/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46800	02/20/23 16:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46679	02/21/23 02:12	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	46711	02/20/23 12:50	KS	EET MID
Soluble	Analysis	300.0		1			46813	02/21/23 08:22	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

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: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

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: Salado 29 26 33

Job ID: 880-24917-1
SDG: 20-0107-08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24917-1	SW-1 , 0-2.1'	Solid	02/16/23 12:15	02/20/23 09:06
880-24917-2	SW-2 , 0-4.1'	Solid	02/16/23 12:30	02/20/23 09:06
880-24917-3	SW-3 , 0-4.1'	Solid	02/16/23 12:45	02/20/23 09:06
880-24917-4	SW-4 , 2.1-4.1'	Solid	02/16/23 13:00	02/20/23 09:06
880-24917-5	SW-5 , 2.1-4.1'	Solid	02/16/23 13:15	02/20/23 09:06
880-24917-6	C-49 , 4.1'	Solid	02/17/23 08:30	02/20/23 09:06
880-24917-7	C-50 , 4.1'	Solid	02/17/23 08:45	02/20/23 09:06
880-24917-8	C-51 , 4.1'	Solid	02/17/23 09:00	02/20/23 09:06
880-24917-9	C-52 , 4.1'	Solid	02/17/23 09:15	02/20/23 09:06
880-24917-10	C-53 , 2.1'	Solid	02/17/23 09:30	02/20/23 09:06
880-24917-11	C-54 , 4.1'	Solid	02/17/23 09:45	02/20/23 09:06
880-24917-12	C-55 , 4.1'	Solid	02/17/23 10:00	02/20/23 09:06
880-24917-13	C-56 , 4.1'	Solid	02/17/23 10:15	02/20/23 09:06
880-24917-14	C-57 , 4.1'	Solid	02/17/23 10:30	02/20/23 09:06
880-24917-15	C-58 , 4.1'	Solid	02/17/23 10:45	02/20/23 09:06
880-24917-16	C-59 , 4.1'	Solid	02/17/23 11:00	02/20/23 09:06
880-24917-17	SW-6 , 0-4.1'	Solid	02/17/23 11:15	02/20/23 09:06
880-24917-18	SW-7 , 0-4.1'	Solid	02/17/23 11:30	02/20/23 09:06
880-24917-19	SW-8 , 2.1'-4.1'	Solid	02/17/23 11:45	02/20/23 09:06
880-24917-20	SW-9 , 2.1'-4.1'	Solid	02/17/23 12:00	02/20/23 09:06
880-24917-21	SW-10 , 0-4.1'	Solid	02/17/23 12:15	02/20/23 09:06
880-24917-22	C-60, 2.1'	Solid	02/17/23 13:00	02/20/23 09:06
880-24917-23	C-61, 2.1'	Solid	02/17/23 13:15	02/20/23 09:06
880-24917-24	C-62, 4.1'	Solid	02/17/23 13:30	02/20/23 09:06
880-24917-25	C-63, 4.1'	Solid	02/17/23 13:45	02/20/23 09:06
880-24917-26	SW-11 , 0-4.1'	Solid	02/17/23 15:00	02/20/23 09:06
880-24917-27	SW-12 , 2.1-4.1'	Solid	02/17/23 15:15	02/20/23 09:06
880-24917-28	C-64, 2.1'	Solid	02/17/23 15:30	02/20/23 09:06
880-24917-29	C-65, 2.1'	Solid	02/17/23 15:45	02/20/23 09:06
880-24917-30	SW-13 , 0-2.1'	Solid	02/17/23 16:00	02/20/23 09:06

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24917 No. 2979

CHAIN-OF-CUSTODY

2/22/2023

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

Data Reported to

DATE 2-20-23 PAGE 1 OF 2

PO# LAB WORK ORDER#

PROJECT LOCATION OR NAME Salado Draw

LAI PROJECT # 20-0107-08 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

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

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	BTEX	TRPH	GASOLINE MOD	DIESEL - MOD	OIL - MOD	VOC	SVOC	8081 PESTICIDES	8082 PCBS	TCLP - METALS	TCLP - PEST	TOTAL METALS	LEAD - TOTAL	RCI	TDS	pH	EXPLOSIVES	CHLORIDES	FIELD NOTES
SW-1, 0-2.1'		2-16-23	1215	S	1				X		X		X	X	X													X	202
SW-2, 0-4.1'		2-16-23	1230	S	1																								
SW-3, 0-4.1'		2-16-23	1245		1																								
SW-4, 2.1-4.1'		2-16-23	1300		1																								
SW-5, 2.1-4.1'		2-16-23	1315		1																								
C-49, 4.1'		2-17-23	0830																										
C-50, 4.1'		2-17-23	0845																										
C-51, 4.1'		2-17-23	0900																										
C-52, 4.1'		2-17-23	0915																										
C-53, 2.1'		2-17-23	0930																										
C-54, 4.1'		2-17-23	0945																										
C-55, 4.1'		2-17-23	1000																										
C-56, 4.1'		2-17-23	1015																										
C-57, 4.1'		2-17-23	1030																										
C-58, 4.1'		2-17-23	1045																										
TOTAL																													

880-24917 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Kenh Garcia	2/20/23 9:00	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 8/8.5 THERM# IR2-3
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

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Received by OCD: 10/31/2023 7:32:27 AM

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24917 No. 2980

CHAIN-OF-CUSTODY

2/22/2023

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

Data Reported to

DATE 2-20-23 PAGE 2 OF 2

PO# _____ LAB WORK ORDER#. _____

PROJECT LOCATION OR NAME Salado Draw

LAI PROJECT # 20-0107-08 COLLECTOR KG

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State
mnt / NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D W 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	CYANIDE ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-59, 4.1'		2-17-23	1100	S	1				X		X		X		X	X	X																								X				
SW-6, 0-4.1'		1	1115																																										
SW-7, 0-4.1'			1130																																										
SW-8, 2.1-4.1'			1145																																										
SW-9, 2.1-4.1'			1200																																										
SW-10, 0-4.1'			1215																																										
C-60, 2.1'			1300																																										
C-61, 2.1'			1315																																										
C-62, 4.1'			1330																																										
C-63, 4.1'			1345																																										
SW-11, 0-4.1'			1500																																										
SW-12, 2.1-4.1'			1515																																										
C-64, 2.1'			1530																																										
C-65, 2.1'			1545																																										
SW-13, 0-2.1'			1600																																										
TOTAL																																													

Loc: 880
24917

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Kevin Garcia	2-20-23 1906	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

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

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Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-24917-1
SDG Number: 20-0107-08

Login Number: 24917
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.	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/22/2023 3:53:15 PM

JOB DESCRIPTION

Salado 22 26 33
SDG NUMBER 20-0107-08

JOB NUMBER

880-24989-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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my EOL

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

Generated
2/22/2023 3:53:15 PM

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

Client: Larson & Associates, Inc.
Project/Site: Salado 22 26 33

Laboratory Job ID: 880-24989-1
SDG: 20-0107-08

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-24989-1
Project/Site: Salado 22 26 33 SDG: 20-0107-08

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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: Salado 22 26 33

Job ID: 880-24989-1
SDG: 20-0107-08

Job ID: 880-24989-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-24989-1

Receipt
The sample was received on 2/21/2023 8:41 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C

Receipt Exceptions
The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC VOA
Method 8021B: The laboratory control sample (LCS) for preparation batch 880-46842 and analytical batch 880-46820 recovered outside control limits for the following analytes: Toluene, Ethylbenzene and o-Xylene. Since only an LCS is required to be acceptable per the method, the data was qualified and reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCSD 880-46842/2-A), (880-24982-A-1-E MS) and (880-24982-A-1-F MSD). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-46823 and analytical batch 880-46829 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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

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

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 22 26 33

Job ID: 880-24989-1
SDG: 20-0107-08

Client Sample ID: C-66

Date Collected: 02/20/23 13:30
Date Received: 02/21/23 08:41

Lab Sample ID: 880-24989-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/23 11:47	02/21/23 20:58	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 20:58	1
Ethylbenzene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 20:58	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		02/21/23 11:47	02/21/23 20:58	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		02/21/23 11:47	02/21/23 20:58	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		02/21/23 11:47	02/21/23 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/21/23 11:47*	*02/21/23 20:58*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/21/23 11:47*	*02/21/23 20:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/23 14:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/23 16:01	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/23 12:10	02/21/23 17:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		02/21/23 12:10	02/21/23 17:22	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/23 12:10	02/21/23 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*02/21/23 12:10*	*02/21/23 17:22*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*02/21/23 12:10*	*02/21/23 17:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**654**		5.02		mg/Kg			02/21/23 14:46	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 22 26 33

Job ID: 880-24989-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-24989-1	C-66	105	102										
LCS 880-46842/1-A	Lab Control Sample	159 S1+	96										
LCSD 880-46842/2-A	Lab Control Sample Dup	151 S1+	99										
MB 880-46842/5-A	Method Blank	167 S1+	95										

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-24989-1	C-66	109	101										
LCS 880-46823/2-A	Lab Control Sample	127	129										
LCSD 880-46823/3-A	Lab Control Sample Dup	114	108										
MB 880-46823/1-A	Method Blank	104	108										

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 22 26 33

Job ID: 880-24989-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-46842/5-A
Matrix: Solid
Analysis Batch: 46820

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46842

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/23 11:47	02/21/23 14:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/23 11:47	02/21/23 14:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*02/21/23 11:47*	*02/21/23 14:08*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/21/23 11:47*	*02/21/23 14:08*	*1*

Lab Sample ID: LCS 880-46842/1-A
Matrix: Solid
Analysis Batch: 46820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46842

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07828		mg/Kg		78	70 - 130		
Toluene			0.100	0.07493		mg/Kg		75	70 - 130		
Ethylbenzene			0.100	0.07608		mg/Kg		76	70 - 130		
m,p-Xylenes			0.200	0.1610		mg/Kg		81	70 - 130		
o-Xylene			0.100	0.07663		mg/Kg		77	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-46842/2-A
Matrix: Solid
Analysis Batch: 46820

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46842

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07074		mg/Kg		71	70 - 130	10	35
Toluene			0.100	0.06627	*-	mg/Kg		66	70 - 130	12	35
Ethylbenzene			0.100	0.06669	*-	mg/Kg		67	70 - 130	13	35
m,p-Xylenes			0.200	0.1403		mg/Kg		70	70 - 130	14	35
o-Xylene			0.100	0.06695	*-	mg/Kg		67	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 22 26 33

Job ID: 880-24989-1
SDG: 20-0107-08

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

Lab Sample ID: MB 880-46823/1-A
Matrix: Solid
Analysis Batch: 46829

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46823

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		02/21/23 08:38	02/21/23 08:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/23 08:38	02/21/23 08:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/23 08:38	02/21/23 08:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*02/21/23 08:38*	*02/21/23 08:17*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*02/21/23 08:38*	*02/21/23 08:17*	*1*

Lab Sample ID: LCS 880-46823/2-A
Matrix: Solid
Analysis Batch: 46829

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46823

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1049		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1212		mg/Kg		121	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*127*		*70 - 130*
o-Terphenyl (Surr)	*129*		*70 - 130*

Lab Sample ID: LCSD 880-46823/3-A
Matrix: Solid
Analysis Batch: 46829

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46823

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	857.5		mg/Kg		86	70 - 130	20	20
Diesel Range Organics (Over C10-C28)			1000	955.2	*1	mg/Kg		96	70 - 130	24	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*114*		*70 - 130*
o-Terphenyl (Surr)	*108*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-46827/1-A
Matrix: Solid
Analysis Batch: 46839

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/21/23 11:53	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 22 26 33

Job ID: 880-24989-1
SDG: 20-0107-08

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-46827/2-A
Matrix: Solid
Analysis Batch: 46839

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.0		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-46827/3-A
Matrix: Solid
Analysis Batch: 46839

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	236.9		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 22 26 33

Job ID: 880-24989-1
SDG: 20-0107-08

GC VOA

Analysis Batch: 46820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24989-1	C-66	Total/NA	Solid	8021B	46842
MB 880-46842/5-A	Method Blank	Total/NA	Solid	8021B	46842
LCS 880-46842/1-A	Lab Control Sample	Total/NA	Solid	8021B	46842
LCSD 880-46842/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46842

Prep Batch: 46842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24989-1	C-66	Total/NA	Solid	5035	
MB 880-46842/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46842/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46842/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 46944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24989-1	C-66	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 46823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24989-1	C-66	Total/NA	Solid	8015NM Prep	
MB 880-46823/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-46823/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-46823/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 46829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24989-1	C-66	Total/NA	Solid	8015B NM	46823
MB 880-46823/1-A	Method Blank	Total/NA	Solid	8015B NM	46823
LCS 880-46823/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	46823
LCSD 880-46823/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	46823

Analysis Batch: 46961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24989-1	C-66	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 46827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24989-1	C-66	Soluble	Solid	DI Leach	
MB 880-46827/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-46827/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-46827/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 46839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24989-1	C-66	Soluble	Solid	300.0	46827
MB 880-46827/1-A	Method Blank	Soluble	Solid	300.0	46827
LCS 880-46827/2-A	Lab Control Sample	Soluble	Solid	300.0	46827
LCSD 880-46827/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	46827

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 22 26 33

Job ID: 880-24989-1
SDG: 20-0107-08

Client Sample ID: C-66

Date Collected: 02/20/23 13:30
Date Received: 02/21/23 08:41

Lab Sample ID: 880-24989-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	46842	02/21/23 11:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46820	02/21/23 20:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46944	02/22/23 14:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46961	02/22/23 16:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46823	02/21/23 12:10	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46829	02/21/23 17:22	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	46827	02/21/23 09:23	KS	EET MID
Soluble	Analysis	300.0		1			46839	02/21/23 14:46	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 22 26 33

Job ID: 880-24989-1
SDG: 20-0107-08

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: Salado 22 26 33

Job ID: 880-24989-1
SDG: 20-0107-08

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: Salado 22 26 33

Job ID: 880-24989-1
SDG: 20-0107-08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24989-1	C-66	Solid	02/20/23 13:30	02/21/23 08:41

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24989

No. 2983

CHAIN-OF-CUSTODY

2/22/2023

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

DATE 2-21-23 PAGE 1 OF 1

PO# LAB WORK ORDER#

PROJECT LOCATION OR NAME Salado Draw

LAI PROJECT #. 20-0107-08 COLLECTOR KG

Data Reported to

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State MNT/NM

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES	FIELD NOTES
C-66		2-20-23	1330	S	1				X		X	

ANALYSES: BTEX ☐ MTBE ☐ TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ OIL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ 8082 PCBS ☐ TCLP - METALS (RCRA) ☐ TCLP VOC ☐ TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ TOTAL METALS (RCRA) ☐ OTHER LIST ☐ LEAD - TOTAL ☐ D W 200 8 ☐ TCLP ☐ RCI ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ pH ☐ HEXAVALENT CHROMIUM ☐ EXPLOSIVES ☐ PECHLORATE ☐ CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐

202

880-24989 Chain of Custody

TOTAL

RELINQUISHED BY (Signature) KGQ DATE/TIME 2/21/23 RECEIVED BY (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 1-6/1-5 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

Page 16 of 17

Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-24989-1
SDG Number: 20-0107-08

Login Number: 24989
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/28/2023 4:00:54 PM

JOB DESCRIPTION

Salado Draw
SDG NUMBER 20-0107-08

JOB NUMBER

880-25190-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 11/14/2023 1:06:35 PM

my EOL

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

Generated
2/28/2023 4:00:54 PM

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

Client: Larson & Associates, Inc.
Project/Site: Salado Draw

Laboratory Job ID: 880-25190-1
SDG: 20-0107-08

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-25190-1
Project/Site: Salado Draw SDG: 20-0107-08

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-25190-1
Project/Site: Salado Draw SDG: 20-0107-08

Job ID: 880-25190-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-25190-1

Receipt
The samples were received on 2/27/2023 10:04 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -3.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-72, 2' (880-25190-1), C-71, 2' (880-25190-2), C-70, 2' (880-25190-3), C-69, 2' (880-25190-4), C-68, 2' (880-25190-5), C-67, 2' (880-25190-6), SW-15, 0-2.1' (880-25190-7) and SW-14, 0-2.1' (880-25190-8).

The following samples were found to be frozen solid upon receipt by the laboratory. The samples and containers appeared to be intact. C-72, 2' (880-25190-1), C-71, 2' (880-25190-2), C-70, 2' (880-25190-3), C-69, 2' (880-25190-4), C-68, 2' (880-25190-5), C-67, 2' (880-25190-6), SW-15, 0-2.1' (880-25190-7) and SW-14, 0-2.1' (880-25190-8)

GC VOA
Method 8021B: LCS biased high. Since only an acceptable LCS or LCSD is required per the method, the data has been qualified and reported.(LCS 880-47213/1-A)

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-47310 and analytical batch 880-47287 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-67, 2' (880-25190-6). 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 880-47312 and analytical batch 880-47268 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-47312 and analytical batch 880-47268 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

Client Sample ID: C-72, 2'

Date Collected: 02/23/23 13:00
Date Received: 02/27/23 10:04

Lab Sample ID: 880-25190-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/23 12:16	02/27/23 17:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/23 12:16	02/27/23 17:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/23 12:16	02/27/23 17:12	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/27/23 12:16	02/27/23 17:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/23 12:16	02/27/23 17:12	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/27/23 12:16	02/27/23 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/27/23 12:16*	*02/27/23 17:12*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/27/23 12:16*	*02/27/23 17:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/28/23 16:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**157**		49.9		mg/Kg			02/28/23 10:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/27/23 12:09	02/27/23 20:58	1
Diesel Range Organics (Over C10-C28)	**157**	**F1 F2**	49.9		mg/Kg		02/27/23 12:09	02/27/23 20:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/23 12:09	02/27/23 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*02/27/23 12:09*	*02/27/23 20:58*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*02/27/23 12:09*	*02/27/23 20:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3260**		50.5		mg/Kg			02/27/23 20:01	10

Client Sample ID: C-71, 2'

Date Collected: 02/23/23 13:05
Date Received: 02/27/23 10:04

Lab Sample ID: 880-25190-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/23 12:16	02/27/23 17:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/23 12:16	02/27/23 17:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/23 12:16	02/27/23 17:32	1
m,p-Xylenes	<0.00398	U *+	0.00398		mg/Kg		02/27/23 12:16	02/27/23 17:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/23 12:16	02/27/23 17:32	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/27/23 12:16	02/27/23 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/27/23 12:16*	*02/27/23 17:32*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/27/23 12:16*	*02/27/23 17:32*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

Client Sample ID: C-71, 2'

Date Collected: 02/23/23 13:05
Date Received: 02/27/23 10:04

Lab Sample ID: 880-25190-2
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			02/28/23 16:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**91.9**		50.0		mg/Kg			02/28/23 10:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/27/23 12:09	02/27/23 22:00	1
Diesel Range Organics (Over C10-C28)	**91.9**		50.0		mg/Kg		02/27/23 12:09	02/27/23 22:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/23 12:09	02/27/23 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*93*		*70 - 130*	*02/27/23 12:09*	*02/27/23 22:00*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*02/27/23 12:09*	*02/27/23 22:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2470**		25.0		mg/Kg			02/27/23 20:15	5

Client Sample ID: C-70, 2'

Date Collected: 02/23/23 13:10
Date Received: 02/27/23 10:04

Lab Sample ID: 880-25190-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 17:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 17:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 17:53	1
m,p-Xylenes	<0.00401	U *+	0.00401		mg/Kg		02/27/23 12:16	02/27/23 17:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 17:53	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/27/23 12:16	02/27/23 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/27/23 12:16*	*02/27/23 17:53*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*02/27/23 12:16*	*02/27/23 17:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/28/23 16:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**51.0**		49.9		mg/Kg			02/28/23 10:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/27/23 12:09	02/27/23 22:21	1
Diesel Range Organics (Over C10-C28)	**51.0**		49.9		mg/Kg		02/27/23 12:09	02/27/23 22:21	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

Client Sample ID: C-70, 2'

Date Collected: 02/23/23 13:10
Date Received: 02/27/23 10:04

Lab Sample ID: 880-25190-3
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		02/27/23 12:09	02/27/23 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*02/27/23 12:09*	*02/27/23 22:21*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*02/27/23 12:09*	*02/27/23 22:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**906**		25.0		mg/Kg			02/27/23 20:20	5

Client Sample ID: C-69, 2'

Date Collected: 02/23/23 13:15
Date Received: 02/27/23 10:04

Lab Sample ID: 880-25190-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 18:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 18:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 18:13	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/27/23 12:16	02/27/23 18:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 18:13	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/27/23 12:16	02/27/23 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*02/27/23 12:16*	*02/27/23 18:13*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*02/27/23 12:16*	*02/27/23 18:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/28/23 16:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**102**		50.0		mg/Kg			02/28/23 10:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/27/23 12:09	02/27/23 22:43	1
Diesel Range Organics (Over C10-C28)	**102**		50.0		mg/Kg		02/27/23 12:09	02/27/23 22:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/23 12:09	02/27/23 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*02/27/23 12:09*	*02/27/23 22:43*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*02/27/23 12:09*	*02/27/23 22:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5230**		49.5		mg/Kg			02/27/23 20:24	10

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-25190-1
Project/Site: Salado Draw SDG: 20-0107-08

Client Sample ID: C-68, 2'
Date Collected: 02/23/23 13:20
Date Received: 02/27/23 10:04

Lab Sample ID: 880-25190-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 18:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 18:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 18:34	1
m,p-Xylenes	<0.00401	U *+	0.00401		mg/Kg		02/27/23 12:16	02/27/23 18:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 18:34	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/27/23 12:16	02/27/23 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*02/27/23 12:16*	*02/27/23 18:34*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/27/23 12:16*	*02/27/23 18:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/28/23 16:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**57.2**		50.0		mg/Kg			02/28/23 10:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/27/23 12:09	02/27/23 23:03	1
Diesel Range Organics (Over C10-C28)	**57.2**		50.0		mg/Kg		02/27/23 12:09	02/27/23 23:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/23 12:09	02/27/23 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*02/27/23 12:09*	*02/27/23 23:03*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*02/27/23 12:09*	*02/27/23 23:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3260**		49.7		mg/Kg			02/27/23 20:29	10

Client Sample ID: C-67, 2'
Date Collected: 02/23/23 13:25
Date Received: 02/27/23 10:04

Lab Sample ID: 880-25190-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/27/23 12:16	02/27/23 18:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/27/23 12:16	02/27/23 18:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/27/23 12:16	02/27/23 18:54	1
m,p-Xylenes	<0.00396	U *+	0.00396		mg/Kg		02/27/23 12:16	02/27/23 18:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/27/23 12:16	02/27/23 18:54	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		02/27/23 12:16	02/27/23 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*02/27/23 12:16*	*02/27/23 18:54*	*1*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*02/27/23 12:16*	*02/27/23 18:54*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-25190-1
Project/Site: Salado Draw SDG: 20-0107-08

Client Sample ID: C-67, 2'
Lab Sample ID: 880-25190-6
Date Collected: 02/23/23 13:25 **Matrix: Solid**
Date Received: 02/27/23 10:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/28/23 16:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 10:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/27/23 12:09	02/27/23 23:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/23 12:09	02/27/23 23:23	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/23 12:09	02/27/23 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*02/27/23 12:09*	*02/27/23 23:23*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*02/27/23 12:09*	*02/27/23 23:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1040**		25.3		mg/Kg			02/27/23 20:43	5

Client Sample ID: SW-15, 0-2.1'
Lab Sample ID: 880-25190-7
Date Collected: 02/23/23 13:30 **Matrix: Solid**
Date Received: 02/27/23 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 19:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 19:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 19:15	1
m,p-Xylenes	<0.00399	U *+	0.00399		mg/Kg		02/27/23 12:16	02/27/23 19:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:16	02/27/23 19:15	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/27/23 12:16	02/27/23 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/27/23 12:16*	*02/27/23 19:15*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/27/23 12:16*	*02/27/23 19:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/28/23 16:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**178**		49.9		mg/Kg			02/28/23 10:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/27/23 12:09	02/27/23 23:44	1
Diesel Range Organics (Over C10-C28)	**178**		49.9		mg/Kg		02/27/23 12:09	02/27/23 23:44	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

Client Sample ID: SW-15, 0-2.1'

Lab Sample ID: 880-25190-7
Matrix: Solid
Date Collected: 02/23/23 13:30
Date Received: 02/27/23 10:04

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		02/27/23 12:09	02/27/23 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*97*		*70 - 130*	*02/27/23 12:09*	*02/27/23 23:44*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*02/27/23 12:09*	*02/27/23 23:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1960**		24.9		mg/Kg			02/27/23 20:48	5

Client Sample ID: SW-14, 0-2.1'

Lab Sample ID: 880-25190-8
Matrix: Solid
Date Collected: 02/23/23 13:35
Date Received: 02/27/23 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/27/23 12:05	02/27/23 20:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/27/23 12:05	02/27/23 20:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/27/23 12:05	02/27/23 20:51	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		02/27/23 12:05	02/27/23 20:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/27/23 12:05	02/27/23 20:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/27/23 12:05	02/27/23 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/27/23 12:05*	*02/27/23 20:51*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/27/23 12:05*	*02/27/23 20:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/28/23 12:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/23 10:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/27/23 12:09	02/28/23 00:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/27/23 12:09	02/28/23 00:04	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/27/23 12:09	02/28/23 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*93*		*70 - 130*	*02/27/23 12:09*	*02/28/23 00:04*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*02/27/23 12:09*	*02/28/23 00:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2960**		25.0		mg/Kg			02/27/23 20:52	5

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

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)
880-25190-1	C-72, 2'	111	78
880-25190-2	C-71, 2'	111	80
880-25190-3	C-70, 2'	112	77
880-25190-4	C-69, 2'	118	82
880-25190-5	C-68, 2'	72	94
880-25190-6	C-67, 2'	84	67 S1-
880-25190-7	SW-15, 0-2.1'	111	84
880-25190-8	SW-14, 0-2.1'	110	103
LCS 880-47213/1-A	Lab Control Sample	120	105
LCS 880-47310/1-A	Lab Control Sample	112	116
LCSD 880-47213/2-A	Lab Control Sample Dup	109	103
LCSD 880-47310/2-A	Lab Control Sample Dup	107	115
MB 880-47310/5-A	Method Blank	67 S1-	93

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)
880-25190-1	C-72, 2'	89	89
880-25190-1 MS	C-72, 2'	107	95
880-25190-1 MSD	C-72, 2'	110	97
880-25190-2	C-71, 2'	93	94
880-25190-3	C-70, 2'	96	98
880-25190-4	C-69, 2'	96	97
880-25190-5	C-68, 2'	95	91
880-25190-6	C-67, 2'	92	92
880-25190-7	SW-15, 0-2.1'	97	95
880-25190-8	SW-14, 0-2.1'	93	93
LCS 880-47312/2-A	Lab Control Sample	95	92
LCSD 880-47312/3-A	Lab Control Sample Dup	94	89
MB 880-47312/1-A	Method Blank	142 S1+	149 S1+

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 880-47213/1-A
Matrix: Solid
Analysis Batch: 47272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47213

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1189		mg/Kg		119	70 - 130		
Toluene			0.100	0.1150		mg/Kg		115	70 - 130		
Ethylbenzene			0.100	0.1234		mg/Kg		123	70 - 130		
m,p-Xylenes			0.200	0.2645	*+	mg/Kg		132	70 - 130		
o-Xylene			0.100	0.1303		mg/Kg		130	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-47213/2-A
Matrix: Solid
Analysis Batch: 47272

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47213

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1107		mg/Kg		111	70 - 130	7	35
Toluene			0.100	0.1107		mg/Kg		111	70 - 130	4	35
Ethylbenzene			0.100	0.1155		mg/Kg		115	70 - 130	7	35
m,p-Xylenes			0.200	0.2441		mg/Kg		122	70 - 130	8	35
o-Xylene			0.100	0.1206		mg/Kg		121	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-47310/5-A
Matrix: Solid
Analysis Batch: 47287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47310

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:05	02/27/23 14:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:05	02/27/23 14:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:05	02/27/23 14:21	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		02/27/23 12:05	02/27/23 14:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/23 12:05	02/27/23 14:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/27/23 12:05	02/27/23 14:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*02/27/23 12:05*	*02/27/23 14:21*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/27/23 12:05*	*02/27/23 14:21*	*1*

Lab Sample ID: LCS 880-47310/1-A
Matrix: Solid
Analysis Batch: 47287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47310

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1116		mg/Kg		112	70 - 130		
Toluene			0.100	0.1199		mg/Kg		120	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-25190-1
Project/Site: Salado Draw SDG: 20-0107-08

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

Lab Sample ID: LCS 880-47310/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 47287 **Prep Batch: 47310**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylbenzene			0.100	0.1156		mg/Kg		116	70 - 130		
m,p-Xylenes			0.200	0.2342		mg/Kg		117	70 - 130		
o-Xylene			0.100	0.1224		mg/Kg		122	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: LCSD 880-47310/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 47287 **Prep Batch: 47310**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1297		mg/Kg		130	70 - 130	15	35
Toluene			0.100	0.1198		mg/Kg		120	70 - 130	0	35
Ethylbenzene			0.100	0.1198		mg/Kg		120	70 - 130	4	35
m,p-Xylenes			0.200	0.2430		mg/Kg		122	70 - 130	4	35
o-Xylene			0.100	0.1212		mg/Kg		121	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

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

Lab Sample ID: MB 880-47312/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 47268 **Prep Batch: 47312**

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		02/27/23 12:09	02/27/23 19:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/23 12:09	02/27/23 19:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/23 12:09	02/27/23 19:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*142*	*S1+*	*70 - 130*	*02/27/23 12:09*	*02/27/23 19:55*	*1*
o-Terphenyl (Surr)	*149*	*S1+*	*70 - 130*	*02/27/23 12:09*	*02/27/23 19:55*	*1*

Lab Sample ID: LCS 880-47312/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 47268 **Prep Batch: 47312**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	964.1		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	976.9		mg/Kg		98	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

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

Lab Sample ID: LCS 880-47312/2-A
Matrix: Solid
Analysis Batch: 47268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47312

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	95		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-47312/3-A
Matrix: Solid
Analysis Batch: 47268

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47312

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1033		mg/Kg		103	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	1011		mg/Kg		101	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	89		70 - 130

Lab Sample ID: 880-25190-1 MS
Matrix: Solid
Analysis Batch: 47268

Client Sample ID: C-72, 2'
Prep Type: Total/NA
Prep Batch: 47312

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	916.2		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	157	F1 F2	998	742.2	F1	mg/Kg		59	70 - 130

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

Lab Sample ID: 880-25190-1 MSD
Matrix: Solid
Analysis Batch: 47268

Client Sample ID: C-72, 2'
Prep Type: Total/NA
Prep Batch: 47312

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	952.3		mg/Kg		91	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	157	F1 F2	999	1035	F2	mg/Kg		88	70 - 130	33	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	110		70 - 130
o-Terphenyl (Surr)	97		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47300/1-A
Matrix: Solid
Analysis Batch: 47332

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/27/23 19:48	1

Lab Sample ID: LCS 880-47300/2-A
Matrix: Solid
Analysis Batch: 47332

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.5		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-47300/3-A
Matrix: Solid
Analysis Batch: 47332

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	258.6		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-25190-1 MS
Matrix: Solid
Analysis Batch: 47332

Client Sample ID: C-72, 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3260		2530	6010		mg/Kg		109	90 - 110		

Lab Sample ID: 880-25190-1 MSD
Matrix: Solid
Analysis Batch: 47332

Client Sample ID: C-72, 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3260		2530	6022		mg/Kg		110	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

GC VOA

Prep Batch: 47213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25190-1	C-72, 2'	Total/NA	Solid	5035	
880-25190-2	C-71, 2'	Total/NA	Solid	5035	
880-25190-3	C-70, 2'	Total/NA	Solid	5035	
880-25190-4	C-69, 2'	Total/NA	Solid	5035	
880-25190-5	C-68, 2'	Total/NA	Solid	5035	
880-25190-6	C-67, 2'	Total/NA	Solid	5035	
880-25190-7	SW-15, 0-2.1'	Total/NA	Solid	5035	
LCS 880-47213/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47213/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 47272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25190-1	C-72, 2'	Total/NA	Solid	8021B	47213
880-25190-2	C-71, 2'	Total/NA	Solid	8021B	47213
880-25190-3	C-70, 2'	Total/NA	Solid	8021B	47213
880-25190-4	C-69, 2'	Total/NA	Solid	8021B	47213
880-25190-5	C-68, 2'	Total/NA	Solid	8021B	47213
880-25190-6	C-67, 2'	Total/NA	Solid	8021B	47213
880-25190-7	SW-15, 0-2.1'	Total/NA	Solid	8021B	47213
LCS 880-47213/1-A	Lab Control Sample	Total/NA	Solid	8021B	47213
LCSD 880-47213/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47213

Analysis Batch: 47287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25190-8	SW-14, 0-2.1'	Total/NA	Solid	8021B	47310
MB 880-47310/5-A	Method Blank	Total/NA	Solid	8021B	47310
LCS 880-47310/1-A	Lab Control Sample	Total/NA	Solid	8021B	47310
LCSD 880-47310/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47310

Prep Batch: 47310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25190-8	SW-14, 0-2.1'	Total/NA	Solid	5035	
MB 880-47310/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47310/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47310/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 47455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25190-1	C-72, 2'	Total/NA	Solid	Total BTEX	
880-25190-2	C-71, 2'	Total/NA	Solid	Total BTEX	
880-25190-3	C-70, 2'	Total/NA	Solid	Total BTEX	
880-25190-4	C-69, 2'	Total/NA	Solid	Total BTEX	
880-25190-5	C-68, 2'	Total/NA	Solid	Total BTEX	
880-25190-6	C-67, 2'	Total/NA	Solid	Total BTEX	
880-25190-7	SW-15, 0-2.1'	Total/NA	Solid	Total BTEX	
880-25190-8	SW-14, 0-2.1'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-25190-1
Project/Site: Salado Draw SDG: 20-0107-08

GC Semi VOA

Analysis Batch: 47268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25190-1	C-72, 2'	Total/NA	Solid	8015B NM	47312
880-25190-2	C-71, 2'	Total/NA	Solid	8015B NM	47312
880-25190-3	C-70, 2'	Total/NA	Solid	8015B NM	47312
880-25190-4	C-69, 2'	Total/NA	Solid	8015B NM	47312
880-25190-5	C-68, 2'	Total/NA	Solid	8015B NM	47312
880-25190-6	C-67, 2'	Total/NA	Solid	8015B NM	47312
880-25190-7	SW-15, 0-2.1'	Total/NA	Solid	8015B NM	47312
880-25190-8	SW-14, 0-2.1'	Total/NA	Solid	8015B NM	47312
MB 880-47312/1-A	Method Blank	Total/NA	Solid	8015B NM	47312
LCS 880-47312/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47312
LCSD 880-47312/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47312
880-25190-1 MS	C-72, 2'	Total/NA	Solid	8015B NM	47312
880-25190-1 MSD	C-72, 2'	Total/NA	Solid	8015B NM	47312

Prep Batch: 47312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25190-1	C-72, 2'	Total/NA	Solid	8015NM Prep	
880-25190-2	C-71, 2'	Total/NA	Solid	8015NM Prep	
880-25190-3	C-70, 2'	Total/NA	Solid	8015NM Prep	
880-25190-4	C-69, 2'	Total/NA	Solid	8015NM Prep	
880-25190-5	C-68, 2'	Total/NA	Solid	8015NM Prep	
880-25190-6	C-67, 2'	Total/NA	Solid	8015NM Prep	
880-25190-7	SW-15, 0-2.1'	Total/NA	Solid	8015NM Prep	
880-25190-8	SW-14, 0-2.1'	Total/NA	Solid	8015NM Prep	
MB 880-47312/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47312/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47312/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25190-1 MS	C-72, 2'	Total/NA	Solid	8015NM Prep	
880-25190-1 MSD	C-72, 2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25190-1	C-72, 2'	Total/NA	Solid	8015 NM	
880-25190-2	C-71, 2'	Total/NA	Solid	8015 NM	
880-25190-3	C-70, 2'	Total/NA	Solid	8015 NM	
880-25190-4	C-69, 2'	Total/NA	Solid	8015 NM	
880-25190-5	C-68, 2'	Total/NA	Solid	8015 NM	
880-25190-6	C-67, 2'	Total/NA	Solid	8015 NM	
880-25190-7	SW-15, 0-2.1'	Total/NA	Solid	8015 NM	
880-25190-8	SW-14, 0-2.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25190-1	C-72, 2'	Soluble	Solid	DI Leach	
880-25190-2	C-71, 2'	Soluble	Solid	DI Leach	
880-25190-3	C-70, 2'	Soluble	Solid	DI Leach	
880-25190-4	C-69, 2'	Soluble	Solid	DI Leach	
880-25190-5	C-68, 2'	Soluble	Solid	DI Leach	
880-25190-6	C-67, 2'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-25190-1
Project/Site: Salado Draw SDG: 20-0107-08

HPLC/IC (Continued)

Leach Batch: 47300 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25190-7	SW-15, 0-2.1'	Soluble	Solid	DI Leach	
880-25190-8	SW-14, 0-2.1'	Soluble	Solid	DI Leach	
MB 880-47300/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47300/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47300/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25190-1 MS	C-72, 2'	Soluble	Solid	DI Leach	
880-25190-1 MSD	C-72, 2'	Soluble	Solid	DI Leach	

Analysis Batch: 47332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25190-1	C-72, 2'	Soluble	Solid	300.0	47300
880-25190-2	C-71, 2'	Soluble	Solid	300.0	47300
880-25190-3	C-70, 2'	Soluble	Solid	300.0	47300
880-25190-4	C-69, 2'	Soluble	Solid	300.0	47300
880-25190-5	C-68, 2'	Soluble	Solid	300.0	47300
880-25190-6	C-67, 2'	Soluble	Solid	300.0	47300
880-25190-7	SW-15, 0-2.1'	Soluble	Solid	300.0	47300
880-25190-8	SW-14, 0-2.1'	Soluble	Solid	300.0	47300
MB 880-47300/1-A	Method Blank	Soluble	Solid	300.0	47300
LCS 880-47300/2-A	Lab Control Sample	Soluble	Solid	300.0	47300
LCSD 880-47300/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47300
880-25190-1 MS	C-72, 2'	Soluble	Solid	300.0	47300
880-25190-1 MSD	C-72, 2'	Soluble	Solid	300.0	47300

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

Client Sample ID: C-72, 2'
Date Collected: 02/23/23 13:00
Date Received: 02/27/23 10:04

Lab Sample ID: 880-25190-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47213	02/27/23 12:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47272	02/27/23 17:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47455	02/28/23 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47411	02/28/23 10:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47312	02/27/23 12:09	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47268	02/27/23 20:58	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47300	02/27/23 10:28	KS	EET MID
Soluble	Analysis	300.0		10			47332	02/27/23 20:01	CH	EET MID

Client Sample ID: C-71, 2'
Date Collected: 02/23/23 13:05
Date Received: 02/27/23 10:04

Lab Sample ID: 880-25190-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47213	02/27/23 12:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47272	02/27/23 17:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47455	02/28/23 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47411	02/28/23 10:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47312	02/27/23 12:09	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47268	02/27/23 22:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47300	02/27/23 10:28	KS	EET MID
Soluble	Analysis	300.0		5			47332	02/27/23 20:15	CH	EET MID

Client Sample ID: C-70, 2'
Date Collected: 02/23/23 13:10
Date Received: 02/27/23 10:04

Lab Sample ID: 880-25190-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47213	02/27/23 12:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47272	02/27/23 17:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47455	02/28/23 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47411	02/28/23 10:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47312	02/27/23 12:09	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47268	02/27/23 22:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47300	02/27/23 10:28	KS	EET MID
Soluble	Analysis	300.0		5			47332	02/27/23 20:20	CH	EET MID

Client Sample ID: C-69, 2'
Date Collected: 02/23/23 13:15
Date Received: 02/27/23 10:04

Lab Sample ID: 880-25190-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47213	02/27/23 12:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47272	02/27/23 18:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47455	02/28/23 16:37	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

Client Sample ID: C-69, 2'

Lab Sample ID: 880-25190-4
Matrix: Solid
Date Collected: 02/23/23 13:15
Date Received: 02/27/23 10:04

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			47411	02/28/23 10:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47312	02/27/23 12:09	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47268	02/27/23 22:43	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47300	02/27/23 10:28	KS	EET MID
Soluble	Analysis	300.0		10			47332	02/27/23 20:24	CH	EET MID

Client Sample ID: C-68, 2'

Lab Sample ID: 880-25190-5
Matrix: Solid
Date Collected: 02/23/23 13:20
Date Received: 02/27/23 10:04

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	47213	02/27/23 12:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47272	02/27/23 18:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47455	02/28/23 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47411	02/28/23 10:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47312	02/27/23 12:09	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47268	02/27/23 23:03	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47300	02/27/23 10:28	KS	EET MID
Soluble	Analysis	300.0		10			47332	02/27/23 20:29	CH	EET MID

Client Sample ID: C-67, 2'

Lab Sample ID: 880-25190-6
Matrix: Solid
Date Collected: 02/23/23 13:25
Date Received: 02/27/23 10:04

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	47213	02/27/23 12:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47272	02/27/23 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47455	02/28/23 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47411	02/28/23 10:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47312	02/27/23 12:09	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47268	02/27/23 23:23	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47300	02/27/23 10:28	KS	EET MID
Soluble	Analysis	300.0		5			47332	02/27/23 20:43	CH	EET MID

Client Sample ID: SW-15, 0-2.1'

Lab Sample ID: 880-25190-7
Matrix: Solid
Date Collected: 02/23/23 13:30
Date Received: 02/27/23 10:04

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	47213	02/27/23 12:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47272	02/27/23 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47455	02/28/23 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			47411	02/28/23 10:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47312	02/27/23 12:09	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47268	02/27/23 23:44	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

Client Sample ID: SW-15, 0-2.1'

Lab Sample ID: 880-25190-7
Matrix: Solid
Date Collected: 02/23/23 13:30
Date Received: 02/27/23 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	47300	02/27/23 10:28	KS	EET MID
Soluble	Analysis	300.0		5			47332	02/27/23 20:48	CH	EET MID

Client Sample ID: SW-14, 0-2.1'

Lab Sample ID: 880-25190-8
Matrix: Solid
Date Collected: 02/23/23 13:35
Date Received: 02/27/23 10:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47310	02/27/23 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47287	02/27/23 20:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47455	02/28/23 12:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			47411	02/28/23 10:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47312	02/27/23 12:09	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47268	02/28/23 00:04	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47300	02/27/23 10:28	KS	EET MID
Soluble	Analysis	300.0		5			47332	02/27/23 20:52	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-25190-1
Project/Site: Salado Draw SDG: 20-0107-08

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. Job ID: 880-25190-1
Project/Site: Salado Draw SDG: 20-0107-08

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: Salado Draw

Job ID: 880-25190-1
SDG: 20-0107-08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25190-1	C-72, 2'	Solid	02/23/23 13:00	02/27/23 10:04
880-25190-2	C-71, 2'	Solid	02/23/23 13:05	02/27/23 10:04
880-25190-3	C-70, 2'	Solid	02/23/23 13:10	02/27/23 10:04
880-25190-4	C-69, 2'	Solid	02/23/23 13:15	02/27/23 10:04
880-25190-5	C-68, 2'	Solid	02/23/23 13:20	02/27/23 10:04
880-25190-6	C-67, 2'	Solid	02/23/23 13:25	02/27/23 10:04
880-25190-7	SW-15, 0-2.1'	Solid	02/23/23 13:30	02/27/23 10:04
880-25190-8	SW-14, 0-2.1'	Solid	02/23/23 13:35	02/27/23 10:04

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25190 No. 2987

CHAIN-OF-CUSTODY

2/28/2023

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

DATE 2-27-23 PAGE 1 OF 2

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME Salado Draw

LAI PROJECT # 20-0107-08 COLLECTOR KG

Data Reported to

TRRP report? ☐ Yes ☒ No

TIME ZONE
Time zone/State: Mnt / NM

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-72, 2'		2-23-23	1300	S	1				X		X			X	X	X															X		TPH
C-71, 2'			1305																														
C-70 2'			1310																														
C-69, 2'			1315																														
C-68 2'			1320																														
C-67, 2'			1325																														
SW-15, 0-2'			1330																														
SW-14, 0-2'			1335																														
TOTAL																																	

880-25190 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	TURN AROUND TIME
Rahi Garcia	2/27/23 1004		NORMAL ☒
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	1 DAY ☐ KG
			2 DAY ☐
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	OTHER ☐
LABORATORY Xenco			

LABORATORY USE ONLY:
RECEIVING TEMP 3.9-3.6 THERM# IR2 -8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

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Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-25190-1
SDG Number: 20-0107-08

Login Number: 25190
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.	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/27/2023 3:32:33 PM Revision 1

JOB DESCRIPTION

Salado 29 26 33
SDG NUMBER 20-0107-08

JOB NUMBER

880-27538-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 11/14/2023 1:06:35 PM

my EOL

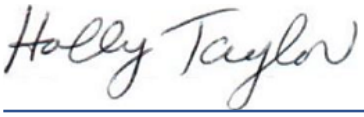
Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/27/2023 3:32:33 PM
Revision 1

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

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Laboratory Job ID: 880-27538-1
SDG: 20-0107-08

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Method Summary 18
Sample Summary 19
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Receipt Checklists 21

Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

Job ID: 880-27538-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-27538-1

Revision
The report being provided is a revision of the original report sent on 4/25/2023. The report (revision 1) is being revised to include results for Cl on sample 2 per Robert Nelson (email).

Receipt
The samples were received on 4/24/2023 1:42 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 was 3.1º C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-14 0-4.1 (880-27538-1) and SW-15 0-4.1 (880-27538-2).

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

GC Semi VOA
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-51821/20) and (CCV 880-51821/5). Evidence of matrix interferences is not obvious.

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-51821 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-51821/20).

Method 8015B NM: CCV biased low however an acceptable CCV was ran within the 12 hour window therefore, the data has been qualified and reported.

(CCV 880-51821/47)

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

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-51841 and analytical batch 880-51873 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: SW-14 0-4.1 (880-27538-1), (880-27538-A-1-E MS) and (880-27538-A-1-F MSD).

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

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

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

Job ID: 880-27538-2

Laboratory: Eurofins Midland

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

Job ID: 880-27538-2 (Continued)

Laboratory: Eurofins Midland (Continued)

Narrative

Job Narrative
880-27538-2

Receipt
The samples were received on 4/24/2023 1:42 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 3.1°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-14 0-4.1 (880-27538-1) and SW-15 0-4.1 (880-27538-2).

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: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

Client Sample ID: SW-14 0-4.1

Date Collected: 04/21/23 09:30
Date Received: 04/24/23 13:42

Lab Sample ID: 880-27538-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/24/23 13:54	04/25/23 01:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/24/23 13:54	04/25/23 01:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/24/23 13:54	04/25/23 01:16	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/24/23 13:54	04/25/23 01:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/24/23 13:54	04/25/23 01:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/24/23 13:54	04/25/23 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/24/23 13:54*	*04/25/23 01:16*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*04/24/23 13:54*	*04/25/23 01:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/25/23 10:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/25/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/24/23 13:48	04/25/23 04:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/24/23 13:48	04/25/23 04:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/24/23 13:48	04/25/23 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*04/24/23 13:48*	*04/25/23 04:24*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*04/24/23 13:48*	*04/25/23 04:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**268**	**F1**	5.03		mg/Kg			04/24/23 15:24	1

Client Sample ID: SW-15 0-4.1

Date Collected: 04/18/23 14:30
Date Received: 04/24/23 13:42

Lab Sample ID: 880-27538-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/24/23 13:54	04/25/23 01:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/23 13:54	04/25/23 01:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/23 13:54	04/25/23 01:37	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/24/23 13:54	04/25/23 01:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/23 13:54	04/25/23 01:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/24/23 13:54	04/25/23 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/24/23 13:54*	*04/25/23 01:37*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*04/24/23 13:54*	*04/25/23 01:37*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

Client Sample ID: SW-15 0-4.1

Date Collected: 04/18/23 14:30
Date Received: 04/24/23 13:42

Lab Sample ID: 880-27538-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/25/23 10:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/25/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/24/23 13:48	04/25/23 04:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/24/23 13:48	04/25/23 04:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/24/23 13:48	04/25/23 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*04/24/23 13:48*	*04/25/23 04:45*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*04/24/23 13:48*	*04/25/23 04:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**302**		5.01		mg/Kg			04/26/23 16:52	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-27538-1	SW-14 0-4.1	105	76
880-27538-2	SW-15 0-4.1	114	75
LCS 880-51842/1-A	Lab Control Sample	114	87
LCSD 880-51842/2-A	Lab Control Sample Dup	117	109
MB 880-51796/5-A	Method Blank	74	82
MB 880-51842/5-A	Method Blank	76	80

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-27538-1	SW-14 0-4.1	89	110
880-27538-2	SW-15 0-4.1	89	112
LCS 880-51864/2-A	Lab Control Sample	101	114
LCSD 880-51864/3-A	Lab Control Sample Dup	100	111
MB 880-51864/1-A	Method Blank	98	121

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-51796/5-A
Matrix: Solid
Analysis Batch: 51793

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51796

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/24/23 08:38	04/24/23 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/23 08:38	04/24/23 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/23 08:38	04/24/23 11:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/24/23 08:38	04/24/23 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/23 08:38	04/24/23 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/24/23 08:38	04/24/23 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*04/24/23 08:38*	*04/24/23 11:49*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*04/24/23 08:38*	*04/24/23 11:49*	*1*

Lab Sample ID: MB 880-51842/5-A
Matrix: Solid
Analysis Batch: 51793

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51842

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/24/23 11:53	04/24/23 23:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/23 11:53	04/24/23 23:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/23 11:53	04/24/23 23:12	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/24/23 11:53	04/24/23 23:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/23 11:53	04/24/23 23:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/24/23 11:53	04/24/23 23:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*04/24/23 11:53*	*04/24/23 23:12*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*04/24/23 11:53*	*04/24/23 23:12*	*1*

Lab Sample ID: LCS 880-51842/1-A
Matrix: Solid
Analysis Batch: 51793

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51842

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07865		mg/Kg		79	70 - 130		
Toluene			0.100	0.08718		mg/Kg		87	70 - 130		
Ethylbenzene			0.100	0.08717		mg/Kg		87	70 - 130		
m,p-Xylenes			0.200	0.1841		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.09410		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: LCSD 880-51842/2-A
Matrix: Solid
Analysis Batch: 51793

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 51842

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08353		mg/Kg		84	70 - 130	6	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

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

Lab Sample ID: LCSD 880-51842/2-A
Matrix: Solid
Analysis Batch: 51793

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 51842

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09106		mg/Kg		91	70 - 130	4	35
Ethylbenzene			0.100	0.08957		mg/Kg		90	70 - 130	3	35
m,p-Xylenes			0.200	0.1885		mg/Kg		94	70 - 130	2	35
o-Xylene			0.100	0.09665		mg/Kg		97	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

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

Lab Sample ID: MB 880-51864/1-A
Matrix: Solid
Analysis Batch: 51821

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51864

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/23 13:48	04/24/23 21:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/23 13:48	04/24/23 21:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/23 13:48	04/24/23 21:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*04/24/23 13:48*	*04/24/23 21:14*	*1*
o-Terphenyl (Surr)	*121*		*70 - 130*	*04/24/23 13:48*	*04/24/23 21:14*	*1*

Lab Sample ID: LCS 880-51864/2-A
Matrix: Solid
Analysis Batch: 51821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51864

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	993.5		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	978.0		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*101*		*70 - 130*
o-Terphenyl (Surr)	*114*		*70 - 130*

Lab Sample ID: LCSD 880-51864/3-A
Matrix: Solid
Analysis Batch: 51821

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 51864

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1025		mg/Kg		102	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1021		mg/Kg		102	70 - 130	4	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

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

Lab Sample ID: LCSD 880-51864/3-A
Matrix: Solid
Analysis Batch: 51821

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 51864

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*100*		*70 - 130*
o-Terphenyl (Surr)	*111*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-51841/1-A
Matrix: Solid
Analysis Batch: 51873

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/24/23 13:25	1

Lab Sample ID: LCS 880-51841/2-A
Matrix: Solid
Analysis Batch: 51873

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.0		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-51841/3-A
Matrix: Solid
Analysis Batch: 51873

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	240.1		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 880-27538-1 MS
Matrix: Solid
Analysis Batch: 51873

Client Sample ID: SW-14 0-4.1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	268	F1	252	447.2	F1	mg/Kg		71	90 - 110		

Lab Sample ID: 880-27538-1 MSD
Matrix: Solid
Analysis Batch: 51873

Client Sample ID: SW-14 0-4.1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	268	F1	252	443.4	F1	mg/Kg		70	90 - 110	1	20

Lab Sample ID: MB 880-52028/1-A
Matrix: Solid
Analysis Batch: 52114

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/26/23 16:37	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-52028/2-A
Matrix: Solid
Analysis Batch: 52114

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	252.4		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-52028/3-A
Matrix: Solid
Analysis Batch: 52114

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.0		mg/Kg		98	90 - 110	3	20

Lab Sample ID: 880-27538-2 MS
Matrix: Solid
Analysis Batch: 52114

Client Sample ID: SW-15 0-4.1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	302		251	555.3		mg/Kg		101	90 - 110		

Lab Sample ID: 880-27538-2 MSD
Matrix: Solid
Analysis Batch: 52114

Client Sample ID: SW-15 0-4.1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	302		251	552.3		mg/Kg		100	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

GC VOA

Analysis Batch: 51793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27538-1	SW-14 0-4.1	Total/NA	Solid	8021B	51842
880-27538-2	SW-15 0-4.1	Total/NA	Solid	8021B	51842
MB 880-51796/5-A	Method Blank	Total/NA	Solid	8021B	51796
MB 880-51842/5-A	Method Blank	Total/NA	Solid	8021B	51842
LCS 880-51842/1-A	Lab Control Sample	Total/NA	Solid	8021B	51842
LCSD 880-51842/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	51842

Prep Batch: 51796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-51796/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 51842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27538-1	SW-14 0-4.1	Total/NA	Solid	5035	
880-27538-2	SW-15 0-4.1	Total/NA	Solid	5035	
MB 880-51842/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-51842/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-51842/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 51940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27538-1	SW-14 0-4.1	Total/NA	Solid	Total BTEX	
880-27538-2	SW-15 0-4.1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 51821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27538-1	SW-14 0-4.1	Total/NA	Solid	8015B NM	51864
880-27538-2	SW-15 0-4.1	Total/NA	Solid	8015B NM	51864
MB 880-51864/1-A	Method Blank	Total/NA	Solid	8015B NM	51864
LCS 880-51864/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	51864
LCSD 880-51864/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	51864

Prep Batch: 51864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27538-1	SW-14 0-4.1	Total/NA	Solid	8015NM Prep	
880-27538-2	SW-15 0-4.1	Total/NA	Solid	8015NM Prep	
MB 880-51864/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-51864/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-51864/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 51930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27538-1	SW-14 0-4.1	Total/NA	Solid	8015 NM	
880-27538-2	SW-15 0-4.1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 51841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27538-1	SW-14 0-4.1	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

HPLC/IC (Continued)

Leach Batch: 51841 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-51841/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-51841/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-51841/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27538-1 MS	SW-14 0-4.1	Soluble	Solid	DI Leach	
880-27538-1 MSD	SW-14 0-4.1	Soluble	Solid	DI Leach	

Analysis Batch: 51873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27538-1	SW-14 0-4.1	Soluble	Solid	300.0	51841
MB 880-51841/1-A	Method Blank	Soluble	Solid	300.0	51841
LCS 880-51841/2-A	Lab Control Sample	Soluble	Solid	300.0	51841
LCSD 880-51841/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	51841
880-27538-1 MS	SW-14 0-4.1	Soluble	Solid	300.0	51841
880-27538-1 MSD	SW-14 0-4.1	Soluble	Solid	300.0	51841

Leach Batch: 52028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27538-2	SW-15 0-4.1	Soluble	Solid	DI Leach	
MB 880-52028/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52028/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52028/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27538-2 MS	SW-15 0-4.1	Soluble	Solid	DI Leach	
880-27538-2 MSD	SW-15 0-4.1	Soluble	Solid	DI Leach	

Analysis Batch: 52114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27538-2	SW-15 0-4.1	Soluble	Solid	300.0	52028
MB 880-52028/1-A	Method Blank	Soluble	Solid	300.0	52028
LCS 880-52028/2-A	Lab Control Sample	Soluble	Solid	300.0	52028
LCSD 880-52028/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52028
880-27538-2 MS	SW-15 0-4.1	Soluble	Solid	300.0	52028
880-27538-2 MSD	SW-15 0-4.1	Soluble	Solid	300.0	52028

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

Client Sample ID: SW-14 0-4.1

Date Collected: 04/21/23 09:30
Date Received: 04/24/23 13:42

Lab Sample ID: 880-27538-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	51842	04/24/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51793	04/25/23 01:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51940	04/25/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			51930	04/25/23 09:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	51864	04/24/23 13:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51821	04/25/23 04:24	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	51841	04/24/23 14:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51873	04/24/23 15:24	SMC	EET MID

Client Sample ID: SW-15 0-4.1

Date Collected: 04/18/23 14:30
Date Received: 04/24/23 13:42

Lab Sample ID: 880-27538-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	51842	04/24/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51793	04/25/23 01:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51940	04/25/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			51930	04/25/23 09:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	51864	04/24/23 13:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51821	04/25/23 04:45	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52028	04/26/23 10:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52114	04/26/23 16:52	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: 880-27538-1
Project/Site: Salado 29 26 33 SDG: 20-0107-08

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: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

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: Salado 29 26 33

Job ID: 880-27538-1
SDG: 20-0107-08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-27538-1	SW-14 0-4.1	Solid	04/21/23 09:30	04/24/23 13:42
880-27538-2	SW-15 0-4.1	Solid	04/18/23 14:30	04/24/23 13:42

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27538

No. 2594

CHAIN-OF-CUSTODY

4/27/2023 (Rev. 1)

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

Data Reported to

DATE: 04/24/2023 PAGE 1 OF 1

PO#. LAB WORK ORDER#:

PROJECT LOCATION OR NAME. Salado 292633

LAI PROJECT #. 20-0107-08 COLLECTOR. [redacted] RN

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State MDT/NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	8081 PESTICIDES ☐	8082 PCBS ☐	PAH 8270 ☐ HOLDPAH ☐	8151 HERBICIDES ☐	TCLP VOC ☐	TCLP - METALS (RCRA) ☐	TCLP - PEST ☐ HERB ☐	TOTAL METALS (RCRA) ☐ Semi-VOC ☐	LEAD - TOTAL ☐ D W 200.8 ☐ OTHER LIST ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ TCLP ☐	pH ☐ HEXAVALENT CHROMIUM ☐ CYANIDE ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
SW-14 0-4.1		4/21/23	9:30 am	S	1				X		X		X	X	X																X		202
SW-15 0-4.1		4/18/23	2.30 pm	S	1				X		X		X	X	X																			

880-27538 Chain of Custody

TOTAL 2

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Matthew Fuller	4/24/23 1342	
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 3.4/3.1 THERM# IR9 :35
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

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Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-27538-1
SDG Number: 20-0107-08

Login Number: 27538
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/3/2023 11:42:59 AM

JOB DESCRIPTION

Salado 29 26 33
SDG NUMBER 21-0107-08

JOB NUMBER

880-27682-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 11/14/2023 1:06:35 PM

my EOL

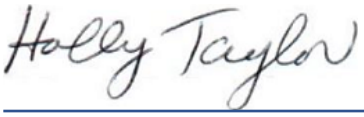
Eurofins Midland

Job Notes

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

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

Authorization



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5/3/2023 11:42:59 AM

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

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-27682-1
Project/Site: Salado 29 26 33 SDG: 21-0107-08

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Job ID: 880-27682-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-27682-1

Receipt
The samples were received on 4/27/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BF-1 (880-27682-1), BF-2 (880-27682-2), BF-3 (880-27682-3), BF-4 (880-27682-4), BF-5 (880-27682-5), BF-6 (880-27682-6) and BF-7 (880-27682-7).

GC VOA
Method 8021B: The method blank for preparation batch 880-52080 and analytical batch 880-52077 contained <AffectedAnalytes> above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-52138 and analytical batch 880-52172 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-52172/8). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-52172 recovered above the upper control limit for Benzene and Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-52172/34).

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-52125/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BF-1 (880-27682-1), BF-2 (880-27682-2) and BF-3 (880-27682-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-52069/31). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: CCV biased low however an acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported.(CCV 880-52069/31)

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BF-4 (880-27682-4), BF-6 (880-27682-6), BF-7 (880-27682-7), (LCS 880-52181/2-A), (LCSD 880-52181/3-A), (880-27710-A-1-F), (880-27710-A-1-G MS) and (880-27710-A-1-H MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-52159/20), (CCV 880-52159/31), (CCV 880-52159/47) and (CCV 880-52159/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BF-5 (880-27682-5). 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.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Job ID: 880-27682-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Client Sample ID: BF-1

Lab Sample ID: 880-27682-1
Matrix: Solid
Date Collected: 04/26/23 11:43
Date Received: 04/27/23 09:30

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/23 15:33	04/28/23 21:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/23 15:33	04/28/23 21:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/23 15:33	04/28/23 21:43	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		04/27/23 15:33	04/28/23 21:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/23 15:33	04/28/23 21:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/27/23 15:33	04/28/23 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/27/23 15:33*	*04/28/23 21:43*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/27/23 15:33*	*04/28/23 21:43*	*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			05/01/23 10:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/28/23 09:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/23 13:41	04/27/23 21:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/23 13:41	04/27/23 21:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 13:41	04/27/23 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*56*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 21:53*	*1*
o-Terphenyl (Surr)	*56*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 21:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.9**		5.05		mg/Kg			05/02/23 20:01	1

Client Sample ID: BF-2

Lab Sample ID: 880-27682-2
Matrix: Solid
Date Collected: 04/26/23 11:45
Date Received: 04/27/23 09:30

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/23 15:33	04/28/23 22:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/23 15:33	04/28/23 22:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/23 15:33	04/28/23 22:09	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/27/23 15:33	04/28/23 22:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/23 15:33	04/28/23 22:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/23 15:33	04/28/23 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*04/27/23 15:33*	*04/28/23 22:09*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/27/23 15:33*	*04/28/23 22:09*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Client Sample ID: BF-2

Date Collected: 04/26/23 11:45
Date Received: 04/27/23 09:30

Lab Sample ID: 880-27682-2
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			05/01/23 10:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/28/23 09:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/23 13:41	04/27/23 22:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/23 13:41	04/27/23 22:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 13:41	04/27/23 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*48*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 22:15*	*1*
o-Terphenyl (Surr)	*56*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 22:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**56.9**		5.02		mg/Kg			05/02/23 20:07	1

Client Sample ID: BF-3

Date Collected: 04/26/23 11:48
Date Received: 04/27/23 09:30

Lab Sample ID: 880-27682-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/23 15:33	04/28/23 22:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/23 15:33	04/28/23 22:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/23 15:33	04/28/23 22:36	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/27/23 15:33	04/28/23 22:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/23 15:33	04/28/23 22:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/23 15:33	04/28/23 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*04/27/23 15:33*	*04/28/23 22:36*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/27/23 15:33*	*04/28/23 22:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/01/23 10:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/28/23 09:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/23 13:41	04/27/23 22:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/23 13:41	04/27/23 22:37	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Client Sample ID: BF-3

Date Collected: 04/26/23 11:48
Date Received: 04/27/23 09:30

Lab Sample ID: 880-27682-3
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		04/27/23 13:41	04/27/23 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*40*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 22:37*	*1*
o-Terphenyl (Surr)	*38*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 22:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.5**		4.98		mg/Kg			05/02/23 20:23	1

Client Sample ID: BF-4

Date Collected: 04/26/23 11:50
Date Received: 04/27/23 09:30

Lab Sample ID: 880-27682-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/23 15:33	04/28/23 23:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/23 15:33	04/28/23 23:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/23 15:33	04/28/23 23:02	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/27/23 15:33	04/28/23 23:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/23 15:33	04/28/23 23:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/27/23 15:33	04/28/23 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/27/23 15:33*	*04/28/23 23:02*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*04/27/23 15:33*	*04/28/23 23:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/01/23 10:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/30/23 14:19	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9		mg/Kg		04/28/23 09:48	04/28/23 15:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		04/28/23 09:48	04/28/23 15:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/23 09:48	04/28/23 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*62*	*S1-*	*70 - 130*	*04/28/23 09:48*	*04/28/23 15:26*	*1*
o-Terphenyl (Surr)	*46*	*S1-*	*70 - 130*	*04/28/23 09:48*	*04/28/23 15:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.7**		4.97		mg/Kg			05/02/23 20:28	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Client Sample ID: BF-5

Lab Sample ID: 880-27682-5
Matrix: Solid
Date Collected: 04/26/23 11:53
Date Received: 04/27/23 09:30

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/27/23 15:33	04/28/23 23:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/27/23 15:33	04/28/23 23:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/27/23 15:33	04/28/23 23:28	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		04/27/23 15:33	04/28/23 23:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/27/23 15:33	04/28/23 23:28	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/27/23 15:33	04/28/23 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/27/23 15:33*	*04/28/23 23:28*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/27/23 15:33*	*04/28/23 23:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/01/23 10:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		04/28/23 09:48	04/28/23 15:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		04/28/23 09:48	04/28/23 15:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/23 09:48	04/28/23 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*60*	*S1-*	*70 - 130*	*04/28/23 09:48*	*04/28/23 15:48*	*1*
o-Terphenyl (Surr)	*44*	*S1-*	*70 - 130*	*04/28/23 09:48*	*04/28/23 15:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**97.5**		5.01		mg/Kg			05/02/23 20:44	1

Client Sample ID: BF-6

Lab Sample ID: 880-27682-6
Matrix: Solid
Date Collected: 04/26/23 11:54
Date Received: 04/27/23 09:30

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/23 12:13	04/27/23 18:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/23 12:13	04/27/23 18:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/23 12:13	04/27/23 18:23	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/27/23 12:13	04/27/23 18:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/23 12:13	04/27/23 18:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/23 12:13	04/27/23 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/27/23 12:13*	*04/27/23 18:23*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*04/27/23 12:13*	*04/27/23 18:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/28/23 10:00	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Client Sample ID: BF-6

Date Collected: 04/26/23 11:54
Date Received: 04/27/23 09:30

Lab Sample ID: 880-27682-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/30/23 14:19	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		04/28/23 09:48	04/28/23 16:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		04/28/23 09:48	04/28/23 16:31	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/23 09:48	04/28/23 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*59*	*S1-*	*70 - 130*	*04/28/23 09:48*	*04/28/23 16:31*	*1*
o-Terphenyl (Surr)	*44*	*S1-*	*70 - 130*	*04/28/23 09:48*	*04/28/23 16:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.4**		5.04		mg/Kg			05/02/23 20:50	1

Client Sample ID: BF-7

Date Collected: 04/26/23 11:56
Date Received: 04/27/23 09:30

Lab Sample ID: 880-27682-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/23 12:13	04/27/23 18:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/23 12:13	04/27/23 18:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/23 12:13	04/27/23 18:43	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/27/23 12:13	04/27/23 18:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/23 12:13	04/27/23 18:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/27/23 12:13	04/27/23 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*04/27/23 12:13*	*04/27/23 18:43*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/27/23 12:13*	*04/27/23 18:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/28/23 10:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/30/23 14:19	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9		mg/Kg		04/28/23 09:48	04/28/23 16:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		04/28/23 09:48	04/28/23 16:52	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/23 09:48	04/28/23 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*64*	*S1-*	*70 - 130*	*04/28/23 09:48*	*04/28/23 16:52*	*1*

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Client Sample ID: BF-7

Date Collected: 04/26/23 11:56
Date Received: 04/27/23 09:30

Lab Sample ID: 880-27682-7

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*47*	*S1-*	*70 - 130*	*04/28/23 09:48*	*04/28/23 16:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.7		5.00		mg/Kg			05/02/23 20:55	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-27682-1	BF-1	104	99
880-27682-1 MS	BF-1	122	97
880-27682-1 MSD	BF-1	115	98
880-27682-2	BF-2	124	97
880-27682-3	BF-3	128	97
880-27682-4	BF-4	118	83
880-27682-5	BF-5	118	94
880-27682-6	BF-6	106	77
880-27682-7	BF-7	83	92
LCS 880-52080/1-A	Lab Control Sample	113	105
LCS 880-52138/1-A	Lab Control Sample	107	89
LCSD 880-52080/2-A	Lab Control Sample Dup	112	110
LCSD 880-52138/2-A	Lab Control Sample Dup	110	103
MB 880-52080/5-A	Method Blank	76	73
MB 880-52138/5-A	Method Blank	65 S1-	86
MB 880-52172/8	Method Blank	64 S1-	85

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-27682-1	BF-1	56 S1-	56 S1-
880-27682-2	BF-2	48 S1-	56 S1-
880-27682-3	BF-3	40 S1-	38 S1-
880-27682-4	BF-4	62 S1-	46 S1-
880-27682-5	BF-5	60 S1-	44 S1-
880-27682-6	BF-6	59 S1-	44 S1-
880-27682-7	BF-7	64 S1-	47 S1-
LCS 880-52125/2-A	Lab Control Sample	71	70
LCS 880-52181/2-A	Lab Control Sample	70	53 S1-
LCSD 880-52125/3-A	Lab Control Sample Dup	69 S1-	67 S1-
LCSD 880-52181/3-A	Lab Control Sample Dup	72	53 S1-
MB 880-52125/1-A	Method Blank	119	121
MB 880-52181/1-A	Method Blank	67 S1-	67 S1-

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-52080/5-A
Matrix: Solid
Analysis Batch: 52077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52080

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/23 08:27	04/27/23 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/23 08:27	04/27/23 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/23 08:27	04/27/23 11:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/27/23 08:27	04/27/23 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/23 08:27	04/27/23 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/23 08:27	04/27/23 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*04/27/23 08:27*	*04/27/23 11:08*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*04/27/23 08:27*	*04/27/23 11:08*	*1*

Lab Sample ID: LCS 880-52080/1-A
Matrix: Solid
Analysis Batch: 52077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52080

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09050		mg/Kg		90	70 - 130		
Toluene			0.100	0.08984		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.09525		mg/Kg		95	70 - 130		
m,p-Xylenes			0.200	0.2061		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.1036		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-52080/2-A
Matrix: Solid
Analysis Batch: 52077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52080

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09593		mg/Kg		96	70 - 130	6	35
Toluene			0.100	0.09373		mg/Kg		94	70 - 130	4	35
Ethylbenzene			0.100	0.09360		mg/Kg		94	70 - 130	2	35
m,p-Xylenes			0.200	0.2010		mg/Kg		101	70 - 130	2	35
o-Xylene			0.100	0.1010		mg/Kg		101	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 880-52138/5-A
Matrix: Solid
Analysis Batch: 52172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52138

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/23 15:33	04/28/23 21:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/23 15:33	04/28/23 21:17	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

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

Lab Sample ID: MB 880-52138/5-A
Matrix: Solid
Analysis Batch: 52172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52138

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/23 15:33	04/28/23 21:17	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/27/23 15:33	04/28/23 21:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/23 15:33	04/28/23 21:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/23 15:33	04/28/23 21:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*04/27/23 15:33*	*04/28/23 21:17*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*04/27/23 15:33*	*04/28/23 21:17*	*1*

Lab Sample ID: LCS 880-52138/1-A
Matrix: Solid
Analysis Batch: 52172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52138

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1122		mg/Kg		112	70 - 130		
Toluene			0.100	0.1149		mg/Kg		115	70 - 130		
Ethylbenzene			0.100	0.1023		mg/Kg		102	70 - 130		
m,p-Xylenes			0.200	0.2091		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1027		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-52138/2-A
Matrix: Solid
Analysis Batch: 52172

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52138

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1243		mg/Kg		124	70 - 130	10	35
Toluene			0.100	0.1122		mg/Kg		112	70 - 130	2	35
Ethylbenzene			0.100	0.1057		mg/Kg		106	70 - 130	3	35
m,p-Xylenes			0.200	0.2187		mg/Kg		109	70 - 130	4	35
o-Xylene			0.100	0.1074		mg/Kg		107	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-27682-1 MS
Matrix: Solid
Analysis Batch: 52172

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 52138

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0998	0.1176		mg/Kg		118	70 - 130		
Toluene	<0.00200	U	0.0998	0.1118		mg/Kg		112	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.09886		mg/Kg		99	70 - 130		
m,p-Xylenes	<0.00401	U	0.200	0.2019		mg/Kg		101	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

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

Lab Sample ID: 880-27682-1 MS
Matrix: Solid
Analysis Batch: 52172

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 52138

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00200	U	0.0998	0.1020		mg/Kg		102	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-27682-1 MSD
Matrix: Solid
Analysis Batch: 52172

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 52138

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.08887		mg/Kg		90	70 - 130	28	35
Toluene	<0.00200	U	0.0990	0.08159		mg/Kg		82	70 - 130	31	35
Ethylbenzene	<0.00200	U	0.0990	0.07326		mg/Kg		74	70 - 130	30	35
m,p-Xylenes	<0.00401	U	0.198	0.1490		mg/Kg		75	70 - 130	30	35
o-Xylene	<0.00200	U	0.0990	0.07719		mg/Kg		78	70 - 130	28	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-52172/8
Matrix: Solid
Analysis Batch: 52172

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg			04/28/23 15:14	1
Toluene	<0.00200	U	0.00200	mg/Kg			04/28/23 15:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			04/28/23 15:14	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg			04/28/23 15:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			04/28/23 15:14	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			04/28/23 15:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*	*S1-*	*70 - 130*		*04/28/23 15:14*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*		*04/28/23 15:14*	*1*

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

Lab Sample ID: MB 880-52125/1-A
Matrix: Solid
Analysis Batch: 52069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52125

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/27/23 08:41	04/27/23 09:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/27/23 08:41	04/27/23 09:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/27/23 08:41	04/27/23 09:42	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130	04/27/23 08:41	04/27/23 09:42	1
o-Terphenyl (Surr)	121		70 - 130	04/27/23 08:41	04/27/23 09:42	1

Lab Sample ID: LCS 880-52125/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52069 — **Prep Batch: 52125**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	802.2		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	742.3		mg/Kg		74	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	71		70 - 130
o-Terphenyl (Surr)	70		70 - 130

Lab Sample ID: LCSD 880-52125/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52069 — **Prep Batch: 52125**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	841.3		mg/Kg		84	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	777.0		mg/Kg		78	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	69	S1-	70 - 130
o-Terphenyl (Surr)	67	S1-	70 - 130

Lab Sample ID: MB 880-52181/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52159 — **Prep Batch: 52181**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/28/23 09:48	04/28/23 09:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/23 09:48	04/28/23 09:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/23 09:48	04/28/23 09:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	67	S1-	70 - 130	04/28/23 09:48	04/28/23 09:19	1
o-Terphenyl (Surr)	67	S1-	70 - 130	04/28/23 09:48	04/28/23 09:19	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

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

Lab Sample ID: LCS 880-52181/2-A
Matrix: Solid
Analysis Batch: 52159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52181

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	895.1		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	811.1		mg/Kg		81	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*70*		*70 - 130*
o-Terphenyl (Surr)	*53*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-52181/3-A
Matrix: Solid
Analysis Batch: 52159

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52181

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	903.2		mg/Kg		90	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	845.3		mg/Kg		85	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*72*		*70 - 130*
o-Terphenyl (Surr)	*53*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-52226/1-A
Matrix: Solid
Analysis Batch: 52414

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/02/23 18:36	1

Lab Sample ID: LCS 880-52226/2-A
Matrix: Solid
Analysis Batch: 52414

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.2		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-52226/3-A
Matrix: Solid
Analysis Batch: 52414

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	250.5		mg/Kg		100	90 - 110	0	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-27682-2 MS
Matrix: Solid
Analysis Batch: 52414

Client Sample ID: BF-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	56.9		251	301.9		mg/Kg		98	90 - 110		

Lab Sample ID: 880-27682-2 MSD
Matrix: Solid
Analysis Batch: 52414

Client Sample ID: BF-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	56.9		251	301.8		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

GC VOA

Analysis Batch: 52077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-6	BF-6	Total/NA	Solid	8021B	52080
880-27682-7	BF-7	Total/NA	Solid	8021B	52080
MB 880-52080/5-A	Method Blank	Total/NA	Solid	8021B	52080
LCS 880-52080/1-A	Lab Control Sample	Total/NA	Solid	8021B	52080
LCSD 880-52080/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52080

Prep Batch: 52080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-6	BF-6	Total/NA	Solid	5035	
880-27682-7	BF-7	Total/NA	Solid	5035	
MB 880-52080/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52080/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52080/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 52138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-1	BF-1	Total/NA	Solid	5035	
880-27682-2	BF-2	Total/NA	Solid	5035	
880-27682-3	BF-3	Total/NA	Solid	5035	
880-27682-4	BF-4	Total/NA	Solid	5035	
880-27682-5	BF-5	Total/NA	Solid	5035	
MB 880-52138/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52138/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52138/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27682-1 MS	BF-1	Total/NA	Solid	5035	
880-27682-1 MSD	BF-1	Total/NA	Solid	5035	

Analysis Batch: 52172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-1	BF-1	Total/NA	Solid	8021B	52138
880-27682-2	BF-2	Total/NA	Solid	8021B	52138
880-27682-3	BF-3	Total/NA	Solid	8021B	52138
880-27682-4	BF-4	Total/NA	Solid	8021B	52138
880-27682-5	BF-5	Total/NA	Solid	8021B	52138
MB 880-52138/5-A	Method Blank	Total/NA	Solid	8021B	52138
MB 880-52172/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-52138/1-A	Lab Control Sample	Total/NA	Solid	8021B	52138
LCSD 880-52138/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52138
880-27682-1 MS	BF-1	Total/NA	Solid	8021B	52138
880-27682-1 MSD	BF-1	Total/NA	Solid	8021B	52138

Analysis Batch: 52187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-1	BF-1	Total/NA	Solid	Total BTEX	
880-27682-2	BF-2	Total/NA	Solid	Total BTEX	
880-27682-3	BF-3	Total/NA	Solid	Total BTEX	
880-27682-4	BF-4	Total/NA	Solid	Total BTEX	
880-27682-5	BF-5	Total/NA	Solid	Total BTEX	
880-27682-6	BF-6	Total/NA	Solid	Total BTEX	
880-27682-7	BF-7	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

GC Semi VOA

Analysis Batch: 52069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-1	BF-1	Total/NA	Solid	8015B NM	52125
880-27682-2	BF-2	Total/NA	Solid	8015B NM	52125
880-27682-3	BF-3	Total/NA	Solid	8015B NM	52125
MB 880-52125/1-A	Method Blank	Total/NA	Solid	8015B NM	52125
LCS 880-52125/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52125
LCSD 880-52125/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52125

Prep Batch: 52125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-1	BF-1	Total/NA	Solid	8015NM Prep	
880-27682-2	BF-2	Total/NA	Solid	8015NM Prep	
880-27682-3	BF-3	Total/NA	Solid	8015NM Prep	
MB 880-52125/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52125/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52125/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 52159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-4	BF-4	Total/NA	Solid	8015B NM	52181
880-27682-5	BF-5	Total/NA	Solid	8015B NM	52181
880-27682-6	BF-6	Total/NA	Solid	8015B NM	52181
880-27682-7	BF-7	Total/NA	Solid	8015B NM	52181
MB 880-52181/1-A	Method Blank	Total/NA	Solid	8015B NM	52181
LCS 880-52181/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52181
LCSD 880-52181/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52181

Analysis Batch: 52180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-1	BF-1	Total/NA	Solid	8015 NM	
880-27682-2	BF-2	Total/NA	Solid	8015 NM	
880-27682-3	BF-3	Total/NA	Solid	8015 NM	
880-27682-4	BF-4	Total/NA	Solid	8015 NM	
880-27682-6	BF-6	Total/NA	Solid	8015 NM	
880-27682-7	BF-7	Total/NA	Solid	8015 NM	

Prep Batch: 52181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-4	BF-4	Total/NA	Solid	8015NM Prep	
880-27682-5	BF-5	Total/NA	Solid	8015NM Prep	
880-27682-6	BF-6	Total/NA	Solid	8015NM Prep	
880-27682-7	BF-7	Total/NA	Solid	8015NM Prep	
MB 880-52181/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52181/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52181/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 52226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-1	BF-1	Soluble	Solid	DI Leach	
880-27682-2	BF-2	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

HPLC/IC (Continued)

Leach Batch: 52226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-3	BF-3	Soluble	Solid	DI Leach	
880-27682-4	BF-4	Soluble	Solid	DI Leach	
880-27682-5	BF-5	Soluble	Solid	DI Leach	
880-27682-6	BF-6	Soluble	Solid	DI Leach	
880-27682-7	BF-7	Soluble	Solid	DI Leach	
MB 880-52226/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52226/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52226/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27682-2 MS	BF-2	Soluble	Solid	DI Leach	
880-27682-2 MSD	BF-2	Soluble	Solid	DI Leach	

Analysis Batch: 52414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27682-1	BF-1	Soluble	Solid	300.0	52226
880-27682-2	BF-2	Soluble	Solid	300.0	52226
880-27682-3	BF-3	Soluble	Solid	300.0	52226
880-27682-4	BF-4	Soluble	Solid	300.0	52226
880-27682-5	BF-5	Soluble	Solid	300.0	52226
880-27682-6	BF-6	Soluble	Solid	300.0	52226
880-27682-7	BF-7	Soluble	Solid	300.0	52226
MB 880-52226/1-A	Method Blank	Soluble	Solid	300.0	52226
LCS 880-52226/2-A	Lab Control Sample	Soluble	Solid	300.0	52226
LCSD 880-52226/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52226
880-27682-2 MS	BF-2	Soluble	Solid	300.0	52226
880-27682-2 MSD	BF-2	Soluble	Solid	300.0	52226

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Client Sample ID: BF-1

Lab Sample ID: 880-27682-1
Matrix: Solid
Date Collected: 04/26/23 11:43
Date Received: 04/27/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	52138	04/27/23 15:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52172	04/28/23 21:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52187	05/01/23 10:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			52180	04/28/23 09:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52125	04/27/23 13:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52069	04/27/23 21:53	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	52226	04/28/23 14:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52414	05/02/23 20:01	SMC	EET MID

Client Sample ID: BF-2

Lab Sample ID: 880-27682-2
Matrix: Solid
Date Collected: 04/26/23 11:45
Date Received: 04/27/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	52138	04/27/23 15:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52172	04/28/23 22:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52187	05/01/23 10:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			52180	04/28/23 09:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52125	04/27/23 13:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52069	04/27/23 22:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52226	04/28/23 14:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52414	05/02/23 20:07	SMC	EET MID

Client Sample ID: BF-3

Lab Sample ID: 880-27682-3
Matrix: Solid
Date Collected: 04/26/23 11:48
Date Received: 04/27/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52138	04/27/23 15:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52172	04/28/23 22:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52187	05/01/23 10:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			52180	04/28/23 09:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52125	04/27/23 13:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52069	04/27/23 22:37	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52226	04/28/23 14:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52414	05/02/23 20:23	SMC	EET MID

Client Sample ID: BF-4

Lab Sample ID: 880-27682-4
Matrix: Solid
Date Collected: 04/26/23 11:50
Date Received: 04/27/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52138	04/27/23 15:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52172	04/28/23 23:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52187	05/01/23 10:24	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Client Sample ID: BF-4
Date Collected: 04/26/23 11:50
Date Received: 04/27/23 09:30

Lab Sample ID: 880-27682-4
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			52180	04/30/23 14:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52181	04/28/23 09:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52159	04/28/23 15:26	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52226	04/28/23 14:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52414	05/02/23 20:28	SMC	EET MID

Client Sample ID: BF-5
Date Collected: 04/26/23 11:53
Date Received: 04/27/23 09:30

Lab Sample ID: 880-27682-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	52138	04/27/23 15:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52172	04/28/23 23:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52187	05/01/23 10:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52181	04/28/23 09:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52159	04/28/23 15:48	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52226	04/28/23 14:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52414	05/02/23 20:44	SMC	EET MID

Client Sample ID: BF-6
Date Collected: 04/26/23 11:54
Date Received: 04/27/23 09:30

Lab Sample ID: 880-27682-6
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	52080	04/27/23 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52077	04/27/23 18:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52187	04/28/23 10:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			52180	04/30/23 14:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52181	04/28/23 09:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52159	04/28/23 16:31	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52226	04/28/23 14:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52414	05/02/23 20:50	SMC	EET MID

Client Sample ID: BF-7
Date Collected: 04/26/23 11:56
Date Received: 04/27/23 09:30

Lab Sample ID: 880-27682-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52080	04/27/23 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52077	04/27/23 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52187	04/28/23 10:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			52180	04/30/23 14:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52181	04/28/23 09:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52159	04/28/23 16:52	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Client Sample ID: BF-7

Date Collected: 04/26/23 11:56
Date Received: 04/27/23 09:30

Lab Sample ID: 880-27682-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	52226	04/28/23 14:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52414	05/02/23 20:55	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

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: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

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: Salado 29 26 33

Job ID: 880-27682-1
SDG: 21-0107-08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-27682-1	BF-1	Solid	04/26/23 11:43	04/27/23 09:30
880-27682-2	BF-2	Solid	04/26/23 11:45	04/27/23 09:30
880-27682-3	BF-3	Solid	04/26/23 11:48	04/27/23 09:30
880-27682-4	BF-4	Solid	04/26/23 11:50	04/27/23 09:30
880-27682-5	BF-5	Solid	04/26/23 11:53	04/27/23 09:30
880-27682-6	BF-6	Solid	04/26/23 11:54	04/27/23 09:30
880-27682-7	BF-7	Solid	04/26/23 11:56	04/27/23 09:30

Released to Imaging: 11/4/2023 1:08:55 PM
Received by OCD: 10/31/2023 7:32:27 AM

27682 No. 3051

CHAIN-OF-CUSTODY

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

DATE 4/27/2023 PAGE 1 OF 1
PO# LAB WORK ORDER#
PROJECT LOCATION OR NAME Salado 29 26 33
LAI PROJECT #: 20-0107-08 COLLECTOR RN

Data Reported to Robert Nelson / Mark Larson

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
BF-1		4/26/23	1143	S	1				X		X		X	X	X												X		
BF-2		"	1145	"	"				"		"		"	"	"												"		202
BF-3		"	1148	"	"				"		"		"	"	"												"		
BF-4		"	1150	"	"				"		"		"	"	"												"		
BF-5		"	1153	"	"				"		"		"	"	"												"		
BF-6		"	1154	"	"				"		"		"	"	"												"		
BF-7		"	1156	"	"				"		"		"	"	"												"		
TOTAL																													

880-27682 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME 4/27/2023 0930	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY
RECEIVING TEMP 1.5/1.2 THERM# PLS
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

5/3/2023

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-27682-1
SDG Number: 21-0107-08

Login Number: 27682
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/28/2023 10:48:24 PM

JOB DESCRIPTION

Salado 29 2633
SDG NUMBER 20-0107-08

JOB NUMBER

880-32575-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 11/14/2023 1:06:35 PM

my EOL

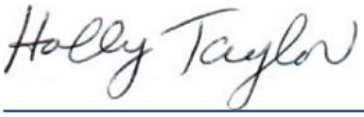
Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/28/2023 10:48:24 PM

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

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Laboratory Job ID: 880-32575-1
SDG: 20-0107-08

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-32575-1
Project/Site: Salado 29 2633 SDG: 20-0107-08

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

Job ID: 880-32575-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-32575-1

Receipt
The samples were received on 8/25/2023 3:40 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 4.5°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-8 4.1' (880-32575-1), C-10 4.1' (880-32575-2), C-11 4.1' (880-32575-3), C-12 4.1' (880-32575-4) and C-53 4.1' (880-32575-5).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-61199/33) and (LCS 880-61214/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: C-10 4.1' (880-32575-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-61199 recovered above the upper control limit for m,p-Xylenes and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-61199/33).

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-61193 and analytical batch 880-61224 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-10 4.1' (880-32575-2) and C-11 4.1' (880-32575-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-61196 and analytical batch 880-61237 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-61237/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-61237 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-61237/20).

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-61155 and analytical batch 880-61189 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

Client Sample ID: C-8 4.1'

Date Collected: 08/25/23 09:15
Date Received: 08/25/23 15:40

Lab Sample ID: 880-32575-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/23 17:44	08/27/23 18:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/23 17:44	08/27/23 18:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/23 17:44	08/27/23 18:31	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		08/26/23 17:44	08/27/23 18:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/23 17:44	08/27/23 18:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/26/23 17:44	08/27/23 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*08/26/23 17:44*	*08/27/23 18:31*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/26/23 17:44*	*08/27/23 18:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/28/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/28/23 20:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/23 10:54	08/28/23 04:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/23 10:54	08/28/23 04:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/23 10:54	08/28/23 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*116*		*70 - 130*	*08/26/23 10:54*	*08/28/23 04:44*	*1*
o-Terphenyl (Surr)	*125*		*70 - 130*	*08/26/23 10:54*	*08/28/23 04:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**718**		4.97		mg/Kg			08/26/23 13:43	1

Client Sample ID: C-10 4.1'

Date Collected: 08/25/23 09:25
Date Received: 08/25/23 15:40

Lab Sample ID: 880-32575-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/23 17:44	08/27/23 18:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/23 17:44	08/27/23 18:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/23 17:44	08/27/23 18:52	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/26/23 17:44	08/27/23 18:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/26/23 17:44	08/27/23 18:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/23 17:44	08/27/23 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*08/26/23 17:44*	*08/27/23 18:52*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*08/26/23 17:44*	*08/27/23 18:52*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

Client Sample ID: C-10 4.1'

Date Collected: 08/25/23 09:25
Date Received: 08/25/23 15:40

Lab Sample ID: 880-32575-2

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			08/28/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/28/23 20:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/23 10:54	08/28/23 05:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/23 10:54	08/28/23 05:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/23 10:54	08/28/23 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*145*	*S1+*	*70 - 130*	*08/26/23 10:54*	*08/28/23 05:06*	*1*
o-Terphenyl (Surr)	*151*	*S1+*	*70 - 130*	*08/26/23 10:54*	*08/28/23 05:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**		5.00		mg/Kg			08/26/23 13:55	1

Client Sample ID: C-11 4.1'

Date Collected: 08/25/23 09:35
Date Received: 08/25/23 15:40

Lab Sample ID: 880-32575-3

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		08/26/23 17:44	08/27/23 19:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/26/23 17:44	08/27/23 19:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/26/23 17:44	08/27/23 19:12	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/26/23 17:44	08/27/23 19:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/26/23 17:44	08/27/23 19:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/26/23 17:44	08/27/23 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*08/26/23 17:44*	*08/27/23 19:12*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*08/26/23 17:44*	*08/27/23 19:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/28/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**217**		49.6		mg/Kg			08/28/23 20:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/26/23 10:54	08/28/23 05:27	1
Diesel Range Organics (Over C10-C28)	**217**		49.6		mg/Kg		08/26/23 10:54	08/28/23 05:27	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

Client Sample ID: C-11 4.1'

Lab Sample ID: 880-32575-3
Matrix: Solid
Date Collected: 08/25/23 09:35
Date Received: 08/25/23 15:40

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/26/23 10:54	08/28/23 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*128*		*70 - 130*	*08/26/23 10:54*	*08/28/23 05:27*	*1*
o-Terphenyl (Surr)	*137*	*S1+*	*70 - 130*	*08/26/23 10:54*	*08/28/23 05:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1790**	**F1**	24.9		mg/Kg			08/26/23 14:06	5

Client Sample ID: C-12 4.1'

Lab Sample ID: 880-32575-4
Matrix: Solid
Date Collected: 08/25/23 09:45
Date Received: 08/25/23 15:40

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/23 17:44	08/27/23 19:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/23 17:44	08/27/23 19:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/23 17:44	08/27/23 19:33	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/26/23 17:44	08/27/23 19:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/26/23 17:44	08/27/23 19:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/23 17:44	08/27/23 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/26/23 17:44*	*08/27/23 19:33*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*08/26/23 17:44*	*08/27/23 19:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/28/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/28/23 23:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/26/23 11:04	08/28/23 12:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/26/23 11:04	08/28/23 12:55	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/26/23 11:04	08/28/23 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*127*		*70 - 130*	*08/26/23 11:04*	*08/28/23 12:55*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*08/26/23 11:04*	*08/28/23 12:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2420**		24.8		mg/Kg			08/26/23 14:39	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

Client Sample ID: C-53 4.1'

Date Collected: 08/25/23 10:10
Date Received: 08/25/23 15:40

Lab Sample ID: 880-32575-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/26/23 17:44	08/27/23 19:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/26/23 17:44	08/27/23 19:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/26/23 17:44	08/27/23 19:54	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		08/26/23 17:44	08/27/23 19:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/26/23 17:44	08/27/23 19:54	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/26/23 17:44	08/27/23 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*08/26/23 17:44*	*08/27/23 19:54*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/26/23 17:44*	*08/27/23 19:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/28/23 11:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/28/23 23:37	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/26/23 11:04	08/28/23 11:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/26/23 11:04	08/28/23 11:50	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/26/23 11:04	08/28/23 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*124*		*70 - 130*	*08/26/23 11:04*	*08/28/23 11:50*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*08/26/23 11:04*	*08/28/23 11:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**588**		4.96		mg/Kg			08/26/23 14:50	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-32575-1	C-8 4.1'	96	83
880-32575-2	C-10 4.1'	99	62 S1-
880-32575-3	C-11 4.1'	96	89
880-32575-4	C-12 4.1'	98	90
880-32575-5	C-53 4.1'	95	85
LCS 880-61214/1-A	Lab Control Sample	132 S1+	107
LCSD 880-61214/2-A	Lab Control Sample Dup	119	114
MB 880-61204/5-A	Method Blank	75	77
MB 880-61214/5-A	Method Blank	75	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-32575-1	C-8 4.1'	116	125
880-32575-2	C-10 4.1'	145 S1+	151 S1+
880-32575-3	C-11 4.1'	128	137 S1+
880-32575-4	C-12 4.1'	127	107
880-32575-5	C-53 4.1'	124	104
880-32575-5 MS	C-53 4.1'	123	89
880-32575-5 MSD	C-53 4.1'	124	92
LCS 880-61193/2-A	Lab Control Sample	103	116
LCS 880-61196/2-A	Lab Control Sample	111	102
LCSD 880-61193/3-A	Lab Control Sample Dup	111	123
LCSD 880-61196/3-A	Lab Control Sample Dup	124	116
MB 880-61193/1-A	Method Blank	218 S1+	235 S1+
MB 880-61196/1-A	Method Blank	136 S1+	111

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-61204/5-A
Matrix: Solid
Analysis Batch: 61199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61204

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/23 14:36	08/27/23 03:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/23 14:36	08/27/23 03:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/23 14:36	08/27/23 03:05	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/26/23 14:36	08/27/23 03:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/23 14:36	08/27/23 03:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/23 14:36	08/27/23 03:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*08/26/23 14:36*	*08/27/23 03:05*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/26/23 14:36*	*08/27/23 03:05*	*1*

Lab Sample ID: MB 880-61214/5-A
Matrix: Solid
Analysis Batch: 61199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61214

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/23 17:44	08/27/23 13:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/23 17:44	08/27/23 13:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/23 17:44	08/27/23 13:41	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/26/23 17:44	08/27/23 13:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/23 17:44	08/27/23 13:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/23 17:44	08/27/23 13:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*08/26/23 17:44*	*08/27/23 13:41*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*08/26/23 17:44*	*08/27/23 13:41*	*1*

Lab Sample ID: LCS 880-61214/1-A
Matrix: Solid
Analysis Batch: 61199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61214

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09989		mg/Kg		100	70 - 130		
Toluene			0.100	0.1127		mg/Kg		113	70 - 130		
Ethylbenzene			0.100	0.1141		mg/Kg		114	70 - 130		
m,p-Xylenes			0.200	0.2457		mg/Kg		123	70 - 130		
o-Xylene			0.100	0.1298		mg/Kg		130	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-61214/2-A
Matrix: Solid
Analysis Batch: 61199

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61214

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08897		mg/Kg		89	70 - 130	12	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

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

Lab Sample ID: LCSD 880-61214/2-A
Matrix: Solid
Analysis Batch: 61199

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61214

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1019		mg/Kg		102	70 - 130	10	35
Ethylbenzene			0.100	0.09976		mg/Kg		100	70 - 130	13	35
m,p-Xylenes			0.200	0.2196		mg/Kg		110	70 - 130	11	35
o-Xylene			0.100	0.1129		mg/Kg		113	70 - 130	14	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

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

Lab Sample ID: MB 880-61193/1-A
Matrix: Solid
Analysis Batch: 61224

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61193

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/23 10:54	08/27/23 20:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/23 10:54	08/27/23 20:29	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/23 10:54	08/27/23 20:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*218*	*S1+*	*70 - 130*	*08/26/23 10:54*	*08/27/23 20:29*	*1*
o-Terphenyl (Surr)	*235*	*S1+*	*70 - 130*	*08/26/23 10:54*	*08/27/23 20:29*	*1*

Lab Sample ID: LCS 880-61193/2-A
Matrix: Solid
Analysis Batch: 61224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61193

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	982.0		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	909.4		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*103*		*70 - 130*
o-Terphenyl (Surr)	*116*		*70 - 130*

Lab Sample ID: LCSD 880-61193/3-A
Matrix: Solid
Analysis Batch: 61224

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61193

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	917.3		mg/Kg		92	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	1075		mg/Kg		107	70 - 130	17	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

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

Lab Sample ID: LCSD 880-61193/3-A
Matrix: Solid
Analysis Batch: 61224

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61193

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	111		70 - 130
o-Terphenyl (Surr)	123		70 - 130

Lab Sample ID: MB 880-61196/1-A
Matrix: Solid
Analysis Batch: 61237

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61196

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/23 11:04	08/28/23 09:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/23 11:04	08/28/23 09:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/23 11:04	08/28/23 09:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	136	S1+	70 - 130	08/26/23 11:04	08/28/23 09:01	1
o-Terphenyl (Surr)	111		70 - 130	08/26/23 11:04	08/28/23 09:01	1

Lab Sample ID: LCS 880-61196/2-A
Matrix: Solid
Analysis Batch: 61237

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61196

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	859.4		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	888.7		mg/Kg		89	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	111		70 - 130
o-Terphenyl (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-61196/3-A
Matrix: Solid
Analysis Batch: 61237

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61196

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	936.7		mg/Kg		94	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	952.1		mg/Kg		95	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	124		70 - 130
o-Terphenyl (Surr)	116		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

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

Lab Sample ID: 880-32575-5 MS
Matrix: Solid
Analysis Batch: 61237

Client Sample ID: C-53 4.1'
Prep Type: Total/NA
Prep Batch: 61196

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1010	998.4		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	1010	1142		mg/Kg		111	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*123*		*70 - 130*
o-Terphenyl (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-32575-5 MSD
Matrix: Solid
Analysis Batch: 61237

Client Sample ID: C-53 4.1'
Prep Type: Total/NA
Prep Batch: 61196

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1010	987.1		mg/Kg		95	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1010	1182		mg/Kg		115	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*124*		*70 - 130*
o-Terphenyl (Surr)	*92*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-61155/1-A
Matrix: Solid
Analysis Batch: 61189

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/26/23 10:56	1

Lab Sample ID: LCS 880-61155/2-A
Matrix: Solid
Analysis Batch: 61189

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-61155/3-A
Matrix: Solid
Analysis Batch: 61189

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	247.8		mg/Kg		99	90 - 110	0	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-32575-3 MS
Matrix: Solid
Analysis Batch: 61189

Client Sample ID: C-11 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1790	F1	1250	3596	F1	mg/Kg		145	90 - 110		

Lab Sample ID: 880-32575-3 MSD
Matrix: Solid
Analysis Batch: 61189

Client Sample ID: C-11 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1790	F1	1250	3575	F1	mg/Kg		143	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

GC VOA

Analysis Batch: 61199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32575-1	C-8 4.1'	Total/NA	Solid	8021B	61214
880-32575-2	C-10 4.1'	Total/NA	Solid	8021B	61214
880-32575-3	C-11 4.1'	Total/NA	Solid	8021B	61214
880-32575-4	C-12 4.1'	Total/NA	Solid	8021B	61214
880-32575-5	C-53 4.1'	Total/NA	Solid	8021B	61214
MB 880-61204/5-A	Method Blank	Total/NA	Solid	8021B	61204
MB 880-61214/5-A	Method Blank	Total/NA	Solid	8021B	61214
LCS 880-61214/1-A	Lab Control Sample	Total/NA	Solid	8021B	61214
LCSD 880-61214/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	61214

Prep Batch: 61204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-61204/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 61214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32575-1	C-8 4.1'	Total/NA	Solid	5035	
880-32575-2	C-10 4.1'	Total/NA	Solid	5035	
880-32575-3	C-11 4.1'	Total/NA	Solid	5035	
880-32575-4	C-12 4.1'	Total/NA	Solid	5035	
880-32575-5	C-53 4.1'	Total/NA	Solid	5035	
MB 880-61214/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-61214/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-61214/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 61300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32575-1	C-8 4.1'	Total/NA	Solid	Total BTEX	
880-32575-2	C-10 4.1'	Total/NA	Solid	Total BTEX	
880-32575-3	C-11 4.1'	Total/NA	Solid	Total BTEX	
880-32575-4	C-12 4.1'	Total/NA	Solid	Total BTEX	
880-32575-5	C-53 4.1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 61193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32575-1	C-8 4.1'	Total/NA	Solid	8015NM Prep	
880-32575-2	C-10 4.1'	Total/NA	Solid	8015NM Prep	
880-32575-3	C-11 4.1'	Total/NA	Solid	8015NM Prep	
MB 880-61193/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61193/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61193/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 61196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32575-4	C-12 4.1'	Total/NA	Solid	8015NM Prep	
880-32575-5	C-53 4.1'	Total/NA	Solid	8015NM Prep	
MB 880-61196/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61196/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61196/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

GC Semi VOA (Continued)

Prep Batch: 61196 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32575-5 MS	C-53 4.1'	Total/NA	Solid	8015NM Prep	
880-32575-5 MSD	C-53 4.1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 61224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32575-1	C-8 4.1'	Total/NA	Solid	8015B NM	61193
880-32575-2	C-10 4.1'	Total/NA	Solid	8015B NM	61193
880-32575-3	C-11 4.1'	Total/NA	Solid	8015B NM	61193
MB 880-61193/1-A	Method Blank	Total/NA	Solid	8015B NM	61193
LCS 880-61193/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61193
LCSD 880-61193/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61193

Analysis Batch: 61237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32575-4	C-12 4.1'	Total/NA	Solid	8015B NM	61196
880-32575-5	C-53 4.1'	Total/NA	Solid	8015B NM	61196
MB 880-61196/1-A	Method Blank	Total/NA	Solid	8015B NM	61196
LCS 880-61196/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61196
LCSD 880-61196/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61196
880-32575-5 MS	C-53 4.1'	Total/NA	Solid	8015B NM	61196
880-32575-5 MSD	C-53 4.1'	Total/NA	Solid	8015B NM	61196

Analysis Batch: 61381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32575-1	C-8 4.1'	Total/NA	Solid	8015 NM	
880-32575-2	C-10 4.1'	Total/NA	Solid	8015 NM	
880-32575-3	C-11 4.1'	Total/NA	Solid	8015 NM	
880-32575-4	C-12 4.1'	Total/NA	Solid	8015 NM	
880-32575-5	C-53 4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 61155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32575-1	C-8 4.1'	Soluble	Solid	DI Leach	
880-32575-2	C-10 4.1'	Soluble	Solid	DI Leach	
880-32575-3	C-11 4.1'	Soluble	Solid	DI Leach	
880-32575-4	C-12 4.1'	Soluble	Solid	DI Leach	
880-32575-5	C-53 4.1'	Soluble	Solid	DI Leach	
MB 880-61155/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-61155/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-61155/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32575-3 MS	C-11 4.1'	Soluble	Solid	DI Leach	
880-32575-3 MSD	C-11 4.1'	Soluble	Solid	DI Leach	

Analysis Batch: 61189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32575-1	C-8 4.1'	Soluble	Solid	300.0	61155
880-32575-2	C-10 4.1'	Soluble	Solid	300.0	61155
880-32575-3	C-11 4.1'	Soluble	Solid	300.0	61155
880-32575-4	C-12 4.1'	Soluble	Solid	300.0	61155

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

HPLC/IC (Continued)

Analysis Batch: 61189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32575-5	C-53 4.1'	Soluble	Solid	300.0	61155
MB 880-61155/1-A	Method Blank	Soluble	Solid	300.0	61155
LCS 880-61155/2-A	Lab Control Sample	Soluble	Solid	300.0	61155
LCSD 880-61155/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	61155
880-32575-3 MS	C-11 4.1'	Soluble	Solid	300.0	61155
880-32575-3 MSD	C-11 4.1'	Soluble	Solid	300.0	61155

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

Client Sample ID: C-8 4.1'

Date Collected: 08/25/23 09:15
Date Received: 08/25/23 15:40

Lab Sample ID: 880-32575-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	61214	08/26/23 17:44	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61199	08/27/23 18:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61300	08/28/23 11:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			61381	08/28/23 20:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	61193	08/26/23 10:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61224	08/28/23 04:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	61155	08/25/23 15:40	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61189	08/26/23 13:43	CH	EET MID

Client Sample ID: C-10 4.1'

Date Collected: 08/25/23 09:25
Date Received: 08/25/23 15:40

Lab Sample ID: 880-32575-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	61214	08/26/23 17:44	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61199	08/27/23 18:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61300	08/28/23 11:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			61381	08/28/23 20:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	61193	08/26/23 10:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61224	08/28/23 05:06	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	61155	08/25/23 15:40	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61189	08/26/23 13:55	CH	EET MID

Client Sample ID: C-11 4.1'

Date Collected: 08/25/23 09:35
Date Received: 08/25/23 15:40

Lab Sample ID: 880-32575-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	61214	08/26/23 17:44	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61199	08/27/23 19:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61300	08/28/23 11:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			61381	08/28/23 20:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	61193	08/26/23 10:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61224	08/28/23 05:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	61155	08/25/23 15:40	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	61189	08/26/23 14:06	CH	EET MID

Client Sample ID: C-12 4.1'

Date Collected: 08/25/23 09:45
Date Received: 08/25/23 15:40

Lab Sample ID: 880-32575-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	61214	08/26/23 17:44	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61199	08/27/23 19:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61300	08/28/23 11:47	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

Client Sample ID: C-12 4.1'

Lab Sample ID: 880-32575-4
Matrix: Solid
Date Collected: 08/25/23 09:45
Date Received: 08/25/23 15:40

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			61381	08/28/23 23:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	61196	08/26/23 11:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61237	08/28/23 12:55	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	61155	08/25/23 15:40	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	61189	08/26/23 14:39	CH	EET MID

Client Sample ID: C-53 4.1'

Lab Sample ID: 880-32575-5
Matrix: Solid
Date Collected: 08/25/23 10:10
Date Received: 08/25/23 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	61214	08/26/23 17:44	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61199	08/27/23 19:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			61300	08/28/23 11:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			61381	08/28/23 23:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	61196	08/26/23 11:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61237	08/28/23 11:50	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	61155	08/25/23 15:40	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61189	08/26/23 14:50	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

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

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-32575-1
Project/Site: Salado 29 2633 SDG: 20-0107-08

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: Salado 29 2633

Job ID: 880-32575-1
SDG: 20-0107-08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32575-1	C-8 4.1'	Solid	08/25/23 09:15	08/25/23 15:40
880-32575-2	C-10 4.1'	Solid	08/25/23 09:25	08/25/23 15:40
880-32575-3	C-11 4.1'	Solid	08/25/23 09:35	08/25/23 15:40
880-32575-4	C-12 4.1'	Solid	08/25/23 09:45	08/25/23 15:40
880-32575-5	C-53 4.1'	Solid	08/25/23 10:10	08/25/23 15:40

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32575

No. 2764

CHAIN-OF-CUSTODY

8/28/2023

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

DATE: 8/25/23 PAGE ___ OF ___

PO#: ___ LAB WORK ORDER#: ___

PROJECT LOCATION OR NAME: SALADO 29 26 33

LAI PROJECT #: 20-0107-08 COLLECTOR: STAN BATES

Data Reported to: ROBERT NELSON / MALL LARSON

TRRP report? ☐ Yes ☒ No

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

TIME ZONE: Time zone/State: MNT

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 ☐	TOTAL METALS (RCRA) ☐	Semi-VOC ☐	LEAD - TOTAL ☐	D.W. 200.8 ☐	RCI ☐	TOX ☐	TDS ☐	TSS ☐	pH ☐	% MOISTURE ☐	EXPLOSIVES ☐	HEXAVALENT CHROMIUM ☐	CHLORIDE ☐	CYANIDE ☐	PECHLORATE ☐	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-8 : 4.1'		8/25/23	9:15	S	1				X		X		X	X	X	X																													207
C-10 4.1'		8/25/23	9:25	S	1																																							
C-11 4.1'		8/25/23	9:35	S	1																																							
C-12 4.1'		8/25/23	9:45	S	1																																							
C-53 4.1'		8/25/23	10:10	S	1																																							
TOTAL																																													

880-32575 Chain of Custody

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
STAN BATES	8/25/23 3:40	
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: 4.8/4.5 THERM#: IR8 -3
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL # ___
☒ HAND DELIVERED

Page 24 of 25

Received by OCD: 10/31/2023 7:32:27 AM

Released to Imaging: 11/14/2023 1:08:55 PM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-32575-1
SDG Number: 20-0107-08

Login Number: 32575
List Number: 1
Creator: Rodriguez, Leticia

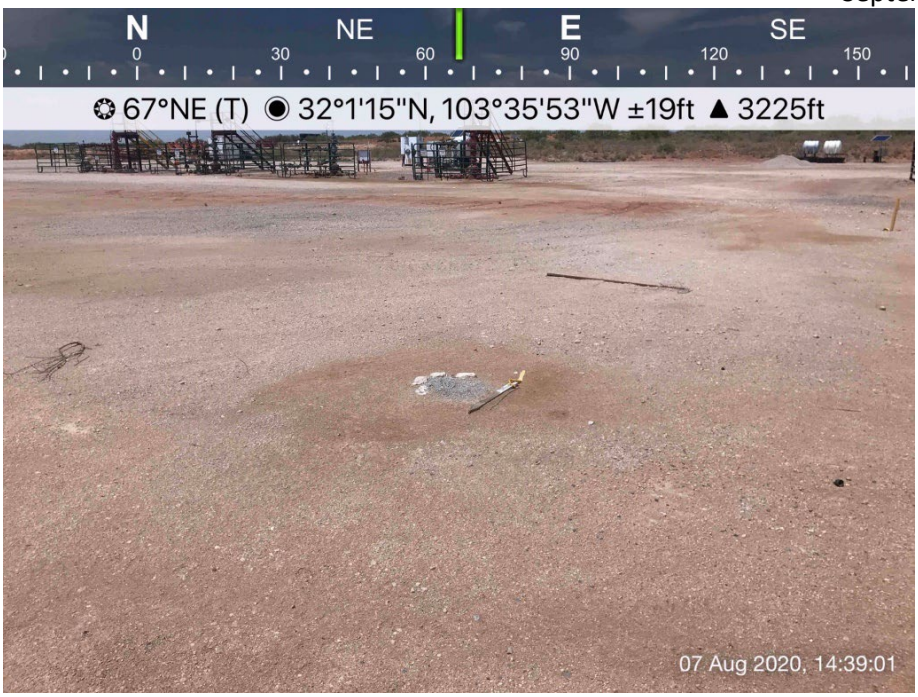
List Source: Eurofins Midland

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	

Appendix F

Photographic Documentation

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Spill area and S-5 viewing Northeast/East, August 7, 2020



Spill area and S-2 viewing southeast, August 7, 2020

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023

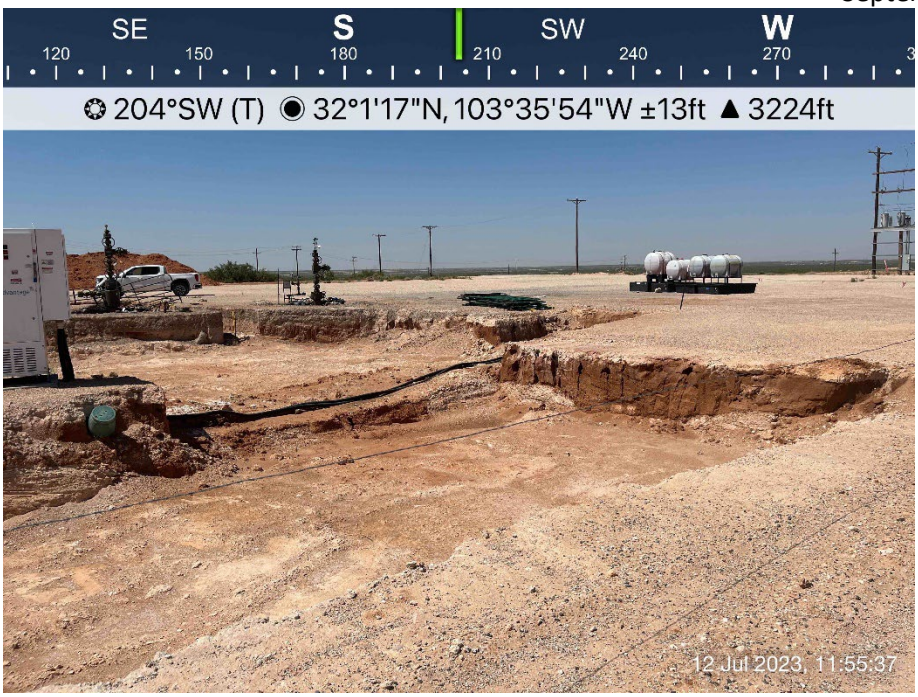


Spill area viewing west, August 7 ,2020



Spill area viewing south, August 7, 2020

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Initially excavated area viewing southwest, July 12, 2023

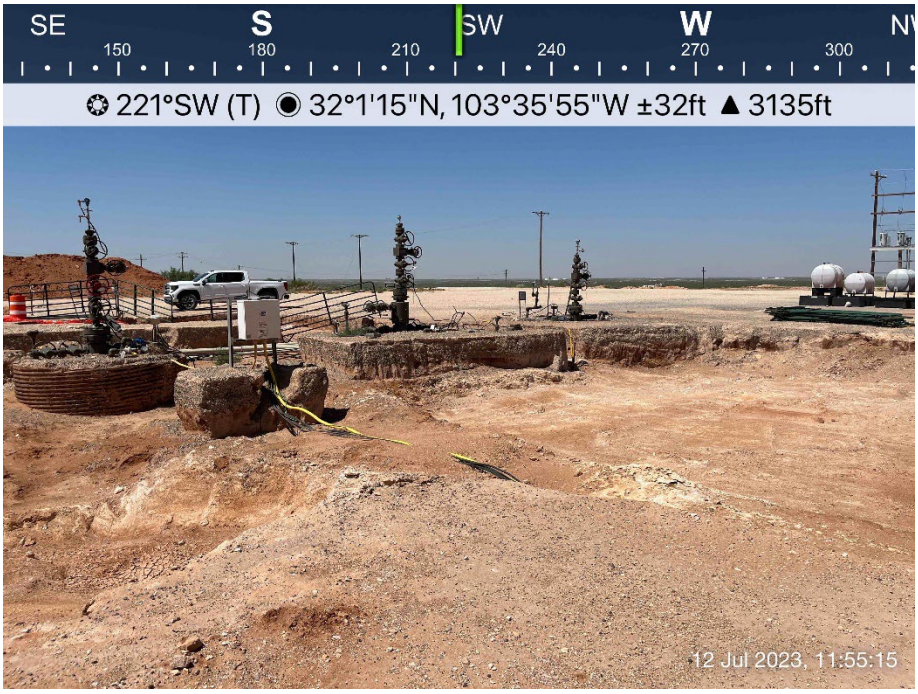


Initially excavated area viewing southeast, July 12, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Initially excavated area viewing northwest, July 12, 2023



Initially excavated area viewing southwest, July 12, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023

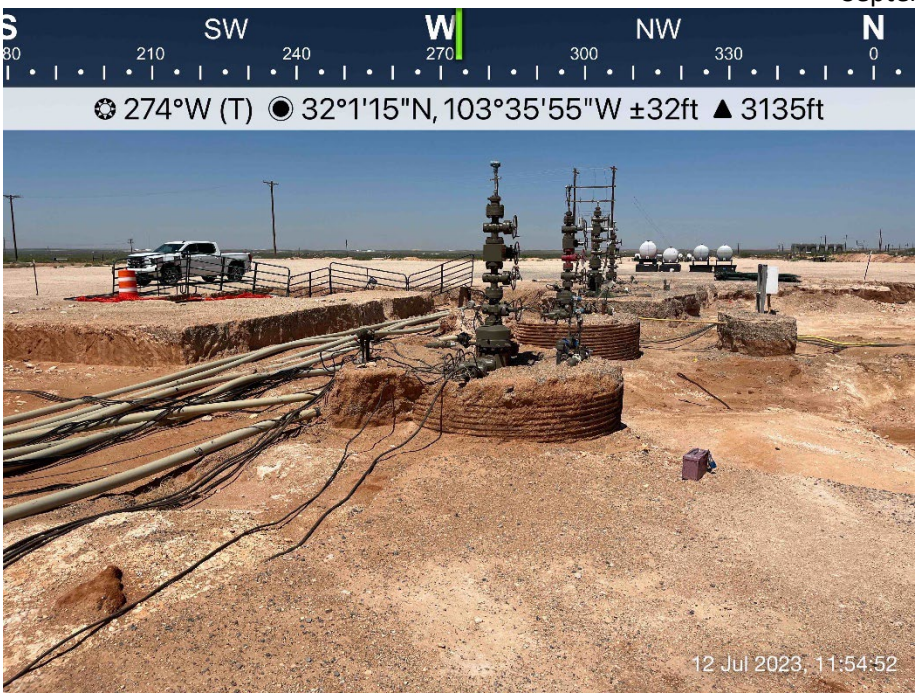


Initially excavated area viewing south, July 12, 2023

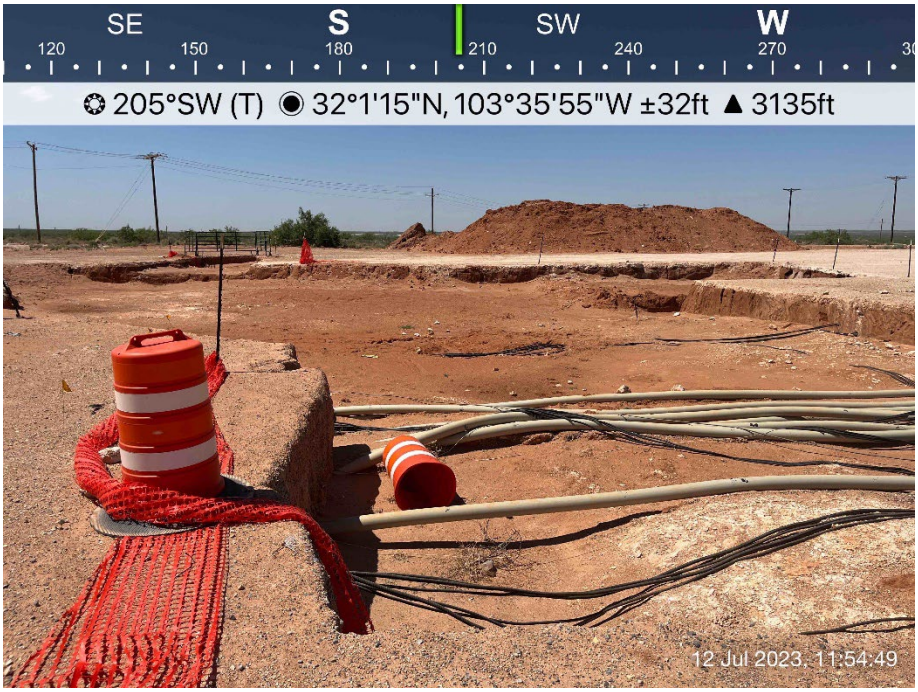


Initially excavated area viewing northwest, July 12, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Initially excavated area viewing west, July 12, 2023



Initially excavated area viewing southwest, July 12, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Initially excavated area viewing northwest, July 12 ,2023



Initially excavated area viewing northwest, July 12, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Initially excavated area viewing north, July 12, 2023

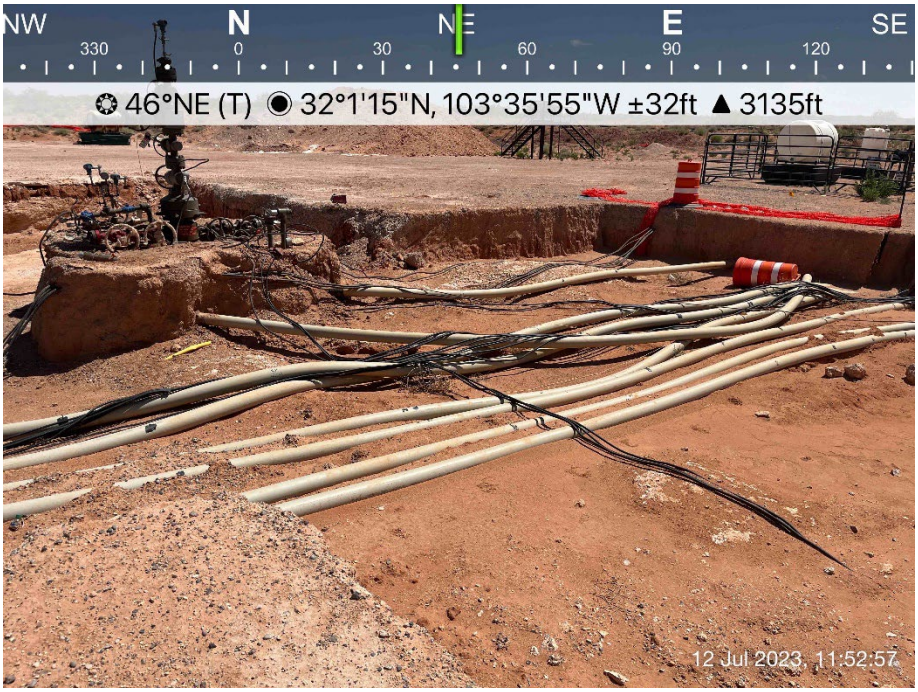


Initially excavated area viewing north, July 12, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023

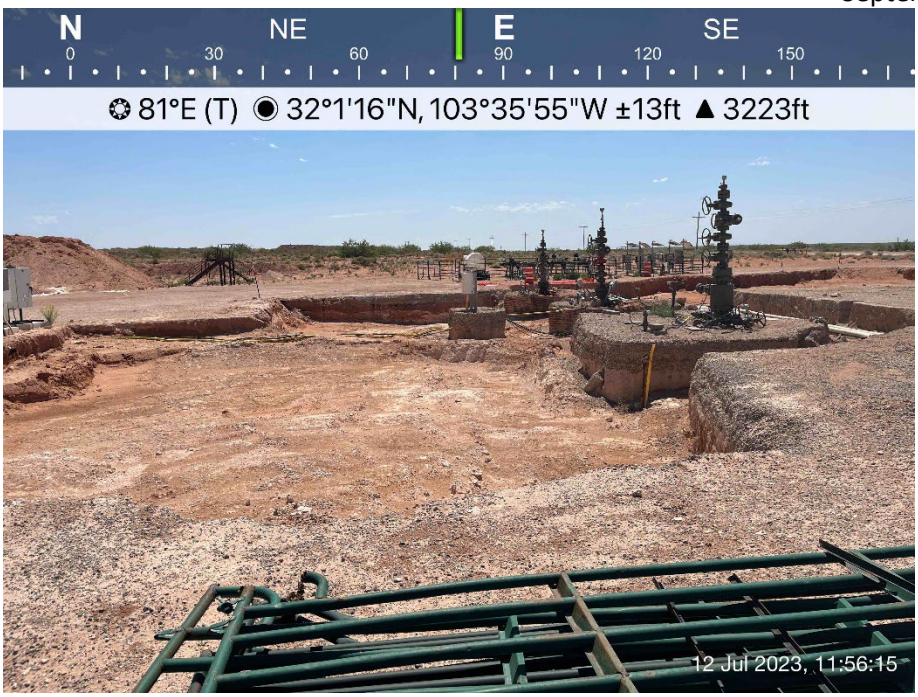


Initially excavated area viewing northeast, July 12, 2023

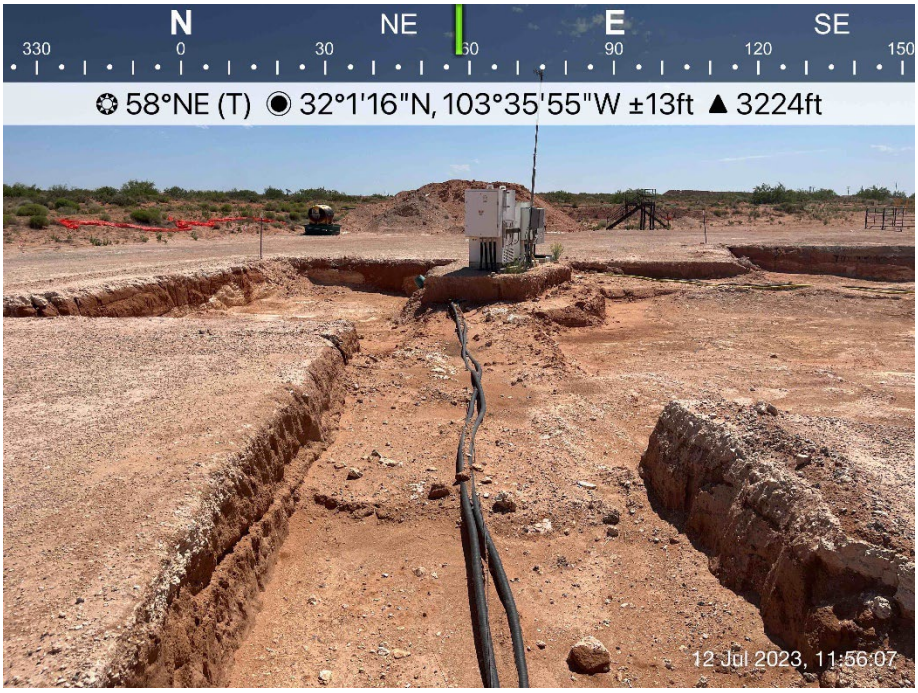


Initially excavated area viewing northeast, July 12, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Initially excavated area viewing east, July 12, 2023



Initially excavated area viewing northeast, July 12, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Initially excavated area viewing southeast, July 12, 2023



Initially excavated area viewing east, July 12, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Additional excavated soil viewing southwest, August 31, 2023



Additional excavated soil viewing west, August 31, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Additional excavated soil viewing southwest, August 31, 2023



Additional excavated soil viewing south, August 31, 2023



Additional excavated soil viewing northwest, August 31, 2023



Additional excavated soil viewing west, August 31, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Additional excavated soil viewing northwest, August 31, 2023



Additional excavated soil viewing northwest, August 31, 2023



Additional excavated soil viewing northwest, August 31, 2023



Additional excavated soil viewing north, August 31, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Additional excavated soil viewing north, August 31, 2023



Additional excavated soil viewing northwest, August 31, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Additional excavated soil viewing north, August 31, 2023



Additional excavated soil viewing southeast, August 31, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Additional excavated soil viewing southeast, August 31, 2023

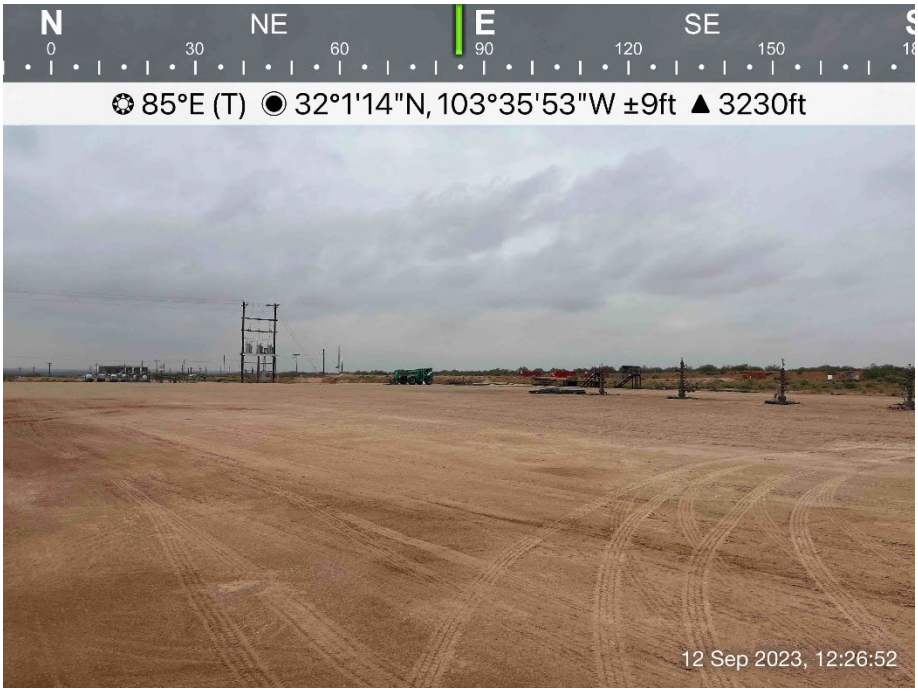


Additional excavated soil viewing south, August 31, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Additional excavated soil viewing southwest, August 31, 2023



Backfilled excavation viewing east, September 12, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023

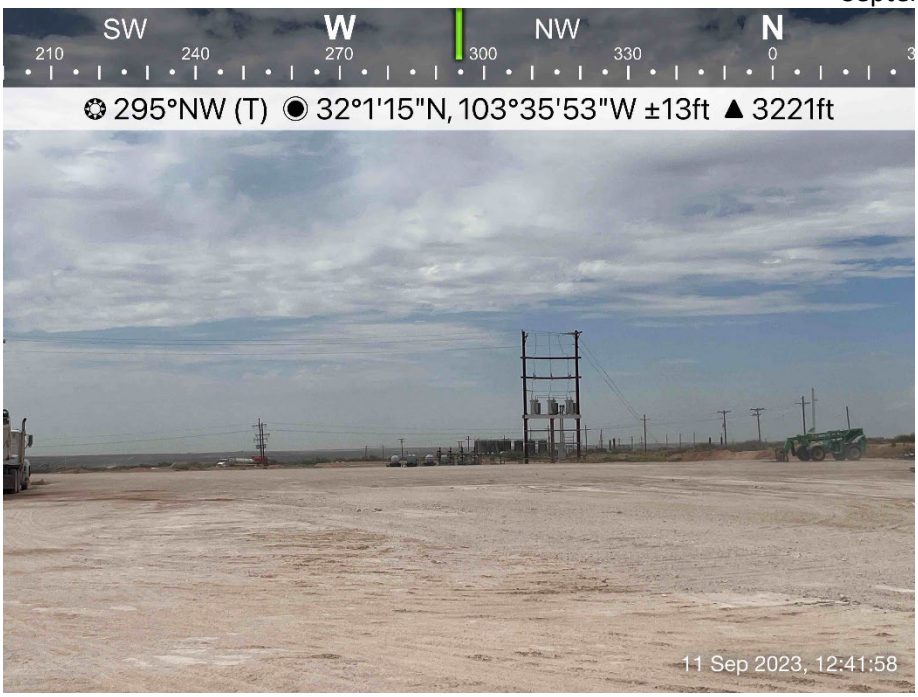


Backfilled excavation viewing southeast, September 12, 2023

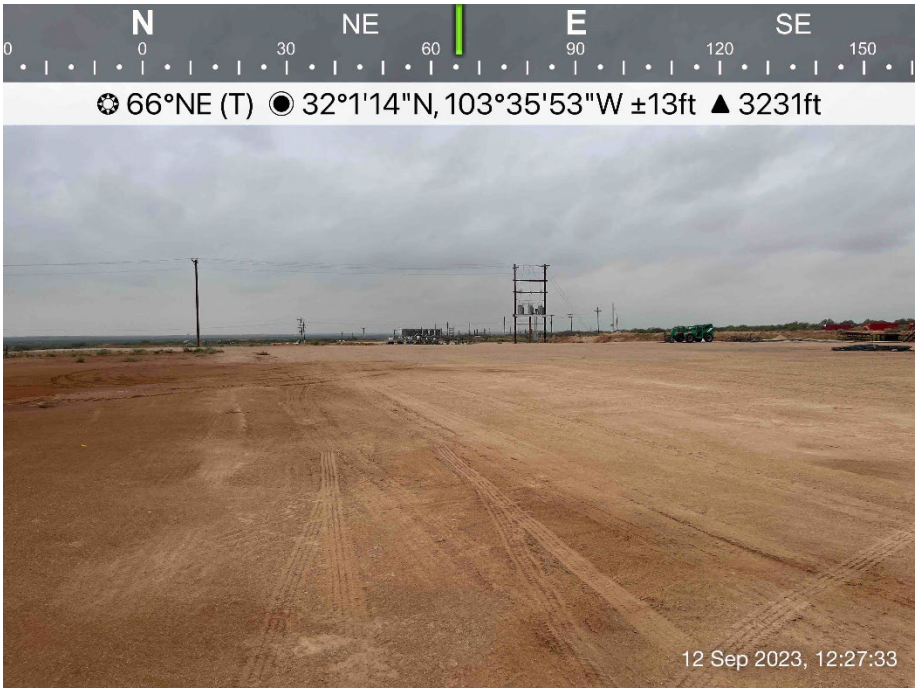


Backfilled excavation viewing southwest, September 12, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Backfilled excavation viewing northwest, September 12, 2023



Backfilled excavation viewing northeast, September 12, 2023

Tracking Number: nOY1810742559 / nRM2009064906
Closure Report
Salado Draw 29 26 33 Fed Com #003H
Chevron USA, Inc., Salado Draw New Mexico
Produced Water and Crude Oil Releases
September 29, 2023



Backfilled excavation viewing south, September 12, 2023



Backfilled excavation viewing east, September 12, 2023

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

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

CONDITIONS

Action 281255

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 281255
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Deferral request approved.	11/14/2023
amaxwell	Incident number will remain open until final remediation and reclamation have occurred in accordance with 19.15.29.12 and 19.15.29.13 NMAC.	11/14/2023