Form C-141
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State of New Mexico
Oil Conservation Division

Incident ID	nVV2003555031
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?	70.12 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

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

Printed Name: Amy Barnhill Title: Waste and Water Specialist

Signature: Amy Barnhill Date: 9-21-21

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nVV2003555031
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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.***

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

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

Printed Name: Amy Barnhill Title: Waste and Water Specialist

Signature: Amy Barnhill Date: 9-21-21

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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State of New Mexico
Oil Conservation Division

Incident ID	nVV2003555031
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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: Lead Environmental Specialist

Signature: Amy Barnhill Date: 9-21-21

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Chad Hensley Date: 10/13/2021

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: Chad Hensley Date: 10/13/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

nVV2003555031
Closure Report
SD EA 29 32 Federal Com P10 #017H
Produced Water Release
Lea County, New Mexico

Latitude: N 32.03281°
Longitude: W -103.612884°

LAI Project No. 19-0180-05

August 30, 2021

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
Certified Professional Geologist #10490

Trent Jackson
Staff Geologist

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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 1 for a produced water release at the SD EA 29 32 Federal Com P10 #017H also known as Salado Draw Frac Pond 19 (Site) located in Unit C (NE/4, NW/4), Section 19, Township 26 South, Range 33 East in Lea County New Mexico. The geodetic position is North 32.03281° and West -103.612884°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on October 23, 2019, after the coupling on a flowline failed allowing for 19 barrels (bbls) of produced water to be released. No fluid was recovered. The affected area measured approximately 15,271 square feet. The release was assigned a NMOCD spill incident number nVV2003555031.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,191 feet above mean sea level (msl).
- The surface topography slopes to the southwest.
- There are no surface water features within 1,000 feet of the Site.
- Karst data provided by the USGS describes the Site as “medium risk” potential.
- The soils are designated as Simona-Upton association, 0 to 3 percent slopes, consisting of 0 to 8 inches of gravelly fine sandy loam, underlain by 8 to 16 inches of a fine sandy loam, and 16 to 26 inches of cemented material (caliche).
- The geology is Quaternary-age sand and silt deposited in sheets, and locally includes cover sand.
- Groundwater occurs at approximately 70.12 feet below ground surface (bgs) based on depth to groundwater measured approximately 72 hours after installing a boring (BH-1) on April 9, 2020. Appendix B presents BH-1 boring Log.

1.3 Remediation Action Levels

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

The release was fully delineated between November 13, 2019, and July 1, 2020. The delineation was reported to NMOCD in the document titled "nVV2003555031, Delineation Report and Remediation Plan, SD EA 29 32 Federal Com P10 #017H Produced Water Release, Lea County, New Mexico, August 14, 2020", and recommended the following remediation:

- Excavate soil from an area measuring approximately 24,458 square feet, encompassing S-2 through S-5, S-7 through S-9, S-11 through S-16, S18, S-19, and S-22 to 1.5 feet bgs.
- Excavate soil from an area measuring approximately 5,531 square feet, encompassing S-20 and S-21 to 5.5 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 topsoil in pasture assuming upon achievement of OCD remediation levels.
- Seed the pasture area with BLM Mix No. 3.

NMOCD approved the remediation plan on September 8, 2020. Table 1 presents the delineation soil sample analytical data summary. Appendix A presents NMOCD communications.

3.0 REMEDIATION

Between March 22, 2021, and April 20, 2021, P2 Construction, Inc. (P2), under supervision of LAI, excavated soil encompassing sample locations S-2 through S-5, S-7 through S-9, S-11 through S-16, S18, S-19, and S-22, to approximately one and a half (1.5) feet bgs from an area measuring 24,458 square feet. Soil was also removed to about five and a half (5.5) feet bgs from an area measuring approximately 5,531 square feet encompassing sample locations S-20 and S-21. Contaminated soil was initially stockpiled on a liner adjacent to the excavation and later transported to the Waste Management Landfill near Orla, Texas.

Between April 15 and l 20, 2021, LAI personnel collected two hundred nine (209) confirmation samples from the bottom and sidewalls of the excavation. The soil samples were delivered under chain of custody and preservation to Eurofins-Xenco in Midland, Texas. The laboratory analyzed the samples for BTEX, TPH, and chloride by EPA SW-846 Methods 8021B, 8015M, and 300E, respectively. Benzene and BTEX were reported below NMOCD remediation standards in all confirmation composite soil samples. Chloride and/or TPH was reported above NMOCD remediation standard of 600 mg/Kg and 100 mg/Kg respectively in the following composite samples:

Sample ID	Date	Location	Depth	TPH (mg/Kg)	Chloride (mg/Kg)
C-25	4/15/21	Bottom	0 – 1.5	-	631
C-41	4/15/21	Bottom	0 – 1.5	-	662
C-61	4/15/21	Bottom	0 – 1.5	-	1,220
C-63	4/15/21	Bottom	0 – 1.5	-	673
C-65	4/15/21	Bottom	0 – 1.5	-	2,400
C-67	4/15/21	Bottom	0 – 1.5	-	1,180
C-68	4/15/21	Bottom	0 – 1.5	-	784

C-69	4/15/21	Bottom	0 – 1.5	-	1,330
C-70	4/15/21	Bottom	0 – 1.5	-	2,080
C-71	4/15/21	Bottom	0 – 1.5	-	2,100
C-72	4/15/21	Bottom	0 – 1.5	-	2,190
C-76	4/15/21	Bottom	0 – 1.5	-	1,040
C-77	4/15/21	Bottom	0 – 1.5	-	1,640
C-78	4/15/21	Bottom	0 – 1.5	-	1,410
C-82	4/15/21	Bottom	0 – 1.5	-	1,390
C-83	4/15/21	Bottom	0 – 1.5	-	1,110
C-84	4/15/21	Bottom	0 – 1.5	-	1,490
C-85	4/15/21	Bottom	0 – 1.5	-	713
C-103	4/15/21	Bottom	0 – 1.5	-	776
C-104	4/15/21	Bottom	0 – 1.5	-	2,380
C-105	4/15/21	Bottom	0 – 1.5	-	2,360
C-110	4/15/21	Bottom	0 – 1.5	-	1,130
C-128	4/15/21	Bottom	0 – 1.5	-	648
C-130	4/15/21	Bottom	0 – 1.5	-	722
C-131	4/15/21	Bottom	0 – 1.5	-	1,80
C-132	4/15/21	Bottom	0 – 1.5	-	776
C-134	4/15/21	Bottom	0 – 1.5	-	1370
C-136	4/15/21	Bottom	0 – 1.5	6,040	1,160
C-137	4/15/21	Bottom	0 – 1.5	555	1,210
C-138	4/15/21	Bottom	0 – 1.5	839	740
C-139	4/15/21	Bottom	0 – 1.5	898	-
C-140	4/15/21	Bottom	0 – 1.5	219	-
C-141	4/15/21	Bottom	0 – 1.5	458	708
C-156	4/15/21	Bottom	0 – 1.5	-	793
C-157	4/15/21	Bottom	0 – 1.5	-	743
C-158	4/15/21	Bottom	0 – 1.5	-	666
C-201	4/15/21	Sidewall	0 – 1.5	297	-

On May 19, 2021, P2excavated soil from the above locations to 2.5 and 3 feet bgs depending on the constituent and concentration. Soil was excavated from an area measuring 7,124 square feet. The contaminated soil was transported to the Waste Management Landfill near Orla, Texas. Subsequent confirmation soil samples were collected was collected and delivered to Eurofins-Xenco in Midland, Texas. The laboratory reported benzene, BTEX, and TPH below NMOCD remediation standards in all confirmation composite soil samples. Chloride was reported above NMOCD remediation standard of 600 mg/Kg in these composite samples:

Sample ID	Date	Location	Depth	TPH (mg/Kg)	Chloride (mg/Kg)
C-67	**5/19/21**	Bottom	**3**	**-**	**1,040**
C-69	**5/19/21**	Bottom	**3**	**-**	**2,790**

C-70	**5/19/21**	Bottom	**3**	**-**	**3,110**
C-71	**5/19/21**	Bottom	**3**	**-**	**943**
C-72	**5/19/21**	Bottom	**3**	**-**	**619**
C-137	**5/19/21**	Bottom	3	-	**601**
C-201	**5/19/21**	Sidewall	**0 – 1.5**	**-**	**863**

On June 4, 2021, P2 excavated additional soil from the locations above to 4.1 feet bgs. The contaminated soil was transported to the Waste Management Landfill near Orla, Texas. Subsequent confirmation soil samples were collected and analyzed, and reported benzene, BTEX, TPH and chloride below NMOCD remediation standards in Table 1 of 19.15.29 NMAC.

Between June 23, 2021, and July 16, 2021, P2 backfilled the excavation with clean topsoil. LAI personnel collected seventeen (17) composite samples (BF-1 through BF-17) of clean topsoil from belly dump trucks as the trucks unloaded soil at the Site. A sample was collected about every 10 to 15 trucks. Xenco analyzed the samples for benzene, BTEX, TPH and chloride. BTEX and TPH were below the analytical method reporting limits (RLs). Chloride was less than 600 mg/Kg.

On August 2, 2021, LAI personnel seeded the excavation area with Bureau of Land Management (BLM) Mix #2. Figure 3 presents the soil excavation areas and confirmation sample locations. Table 2 presents the confirmation and backfill sample analytical data summary. Appendix C presents the laboratory reports. Appendix D presents photographs.

4.0 CLOSURE REQUEST

Chevron requests no further action for this release.

Tables

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Table 1
Delineation Soil Sample Analytical Data Summary
Chevron USA, SD EA 29 32 Federal Com P10 #017H
Lea County, New Mexico
North 32 01' 58.46" West 103 36' 50.59"

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 - 1	11/13/2019	In-Situ	<0.00104	<0.00624	<26.0	52.3	<26.0	52.3	9.76
S-2	0 - 1	11/13/2019	In-Situ	<0.00111	<0.00666	<27.8	40.7	<27.8	40.7	**8,280**
	1	1/15/2020	In-Situ	<0.0199	<0.0199	<50.0	<50.0	<50.0	<50.0	31.2
	3	1/15/2020	In-Situ	<0.0199	<0.0199	<49.8	<49.8	<49.8	<49.8	120
	5	1/15/2020	In-Situ	<0.0201	<0.0201	<49.9	<49.9	<49.9	<49.9	356
	10	1/15/2020	In-Situ	<0.0201	<0.0201	<50.0	<50.0	<50.0	<50.0	144
S-3	0 - 1	11/13/2019	In-Situ	<0.00109	<0.00653	<27.2	<27.2	<27.2	<27.2	**5,320**
	1	1/15/2020	In-Situ	<0.0198	<0.0198	<49.9	<49.9	<49.9	<49.9	313
	3	1/15/2020	In-Situ	<0.0201	<0.0201	<50.0	<50.0	<50.0	<50.0	10.6
	5	1/15/2020	In-Situ	<0.0201	<0.0201	<49.9	<49.9	<49.9	<49.9	51.9
	10	1/15/2020	In-Situ	<0.0201	<0.0201	<49.9	<49.9	<49.9	<49.9	356
S-4	0 - 1	11/13/2019	In-Situ	<0.00112	<0.00673	<28.1	<28.1	<28.1	<28.1	**610**
	1	1/15/2020	In-Situ	<0.0200	<0.0200	<50.0	<50.0	<50.0	<50.0	73.5
	3	1/15/2020	In-Situ	<0.0201	<0.0201	<49.8	<49.8	<49.8	<49.8	219
	5	1/15/2020	In-Situ	<0.0199	<0.0199	<50.0	<50.0	<50.0	<50.0	251
	10	1/15/2020	In-Situ	<0.0200	<0.0200	<49.9	<49.9	<49.9	<49.9	236
S-5	0 - 1	11/13/2019	In-Situ	<0.00109	<0.00653	<27.2	<27.2	<27.2	<27.2	**814**
	1	1/16/2020	In-Situ	<0.0202	<0.0202	<49.9	<49.9	<49.9	<49.9	**914**
	3	1/16/2020	In-Situ	<0.0199	<0.0199	<50.0	<50.0	<50.0	<50.0	8.74
	5	1/16/2020	In-Situ	<0.0200	<0.0200	<49.9	<49.9	<49.9	<49.9	203
	10	1/16/2020	In-Situ	<0.0200	<0.0200	<49.8	<49.8	<49.8	<49.8	448

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Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100 / 2,500**	**600 / 10,000**
S-6	0 - 1	11/13/2019	In-Situ	<0.00109	<0.00653	<27.2	<27.2	<27.2	<27.2	129
	1	1/16/2020	In-Situ	<0.0200	<0.0200	<50.0	<50.0	<50.0	<50.0	61.8
	3	1/16/2020	In-Situ	<0.0199	<0.0199	<50.0	<50.0	<50.0	<50.0	39.3
	5	1/16/2020	In-Situ	<0.0201	<0.0201	<49.9	<49.9	<49.9	<49.9	471
	10	1/16/2020	In-Situ	<0.0199	<0.0199	<49.9	<49.9	<49.9	<49.9	336
S-7	0 - 1	11/13/2019	In-Situ	<0.00109	<0.00653	<27.2	75.7	42.9	**119**	**8,190**
	1	1/15/2020	In-Situ	<0.0199	<0.0199	<49.9	<49.9	<49.9	<49.9	205
	3	1/15/2020	In-Situ	<0.0201	<0.0201	<49.8	<49.8	<49.8	<49.8	158
	5	1/15/2020	In-Situ	<0.0202	<0.0202	<50.0	<50.0	<50.0	<50.0	503
	10	1/15/2020	In-Situ	<0.0201	<0.0201	<49.9	<49.9	<49.9	<49.9	356
S-8	0 - 1	11/13/2019	In-Situ	0.0409	38.8409	8,500	42,700	<269	**51,200**	**8,500**
	1	1/16/2020	In-Situ	<0.0199	<0.0199	<50.0	<50.0	<50.0	<50.0	47.2
	3	1/16/2020	In-Situ	<0.0199	<0.0199	<49.8	<49.8	<49.8	<49.8	<5.00
	5	1/16/2020	In-Situ	<0.0200	<0.0200	<50.0	<50.0	<50.0	<50.0	<5.00
	10	1/16/2020	In-Situ	<0.0201	<0.0201	<49.9	<49.9	<49.9	<49.9	120
S-9	0 - 1	11/13/2019	In-Situ	<0.00106	0.07012	<26.6	104	<26.6	**104**	**1,700**
	1	1/16/2020	In-Situ	<0.0201	<0.0201	<49.9	<49.9	<49.9	<49.9	20.3
	3	1/16/2020	In-Situ	<0.0202	<0.0202	<50.0	<50.0	<50.0	<50.0	26.7
	5	1/16/2020	In-Situ	<0.0200	<0.0200	<50.0	<50.0	<50.0	<50.0	163
	10	1/16/2020	In-Situ	<0.0202	<0.0202	<49.9	<49.9	<49.9	<49.9	173
S-10	0 - 1	11/13/2019	In-Situ	<0.00104	0.10575	<26.0	28.4	<26.0	28.4	26.8
S-11	0 - 1	11/13/2019	In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	**3,070**

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Lea County, New Mexico
North 32 01' 58.46" West 103 36' 50.59"

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**
	1	1/21/2020	In-Situ	<0.0198	<0.0198	<49.8	<49.8	<49.8	<49.8	**3,260**
	3	1/21/2020	In-Situ	<0.0199	<0.0199	<49.9	<49.9	<49.9	<49.9	87.3
	5	1/21/2020	In-Situ	<0.0201	<0.0201	<50.0	<50.0	<50.0	<50.0	74.5
S-12	0 - 1	11/13/2019	In-Situ	<0.00108	<0.00647	<26.9	<26.9	<26.9	<26.9	**1,890**
	1	1/21/2020	In-Situ	<0.0199	<0.0199	<50.0	<50.0	<50.0	<50.0	6.18
	3	1/21/2020	In-Situ	<0.0198	<0.0198	<49.8	<49.8	<49.8	<49.8	28.7
	5	1/21/2020	In-Situ	<0.0200	<0.0200	<50.0	<50.0	<50.0	<50.0	86.5
S-13	0 - 1	11/13/2019	In-Situ	0.0396	30.7	5,950	30,600	<543	**36,500**	**3,510**
	1	1/16/2020	In-Situ	<0.0200	<0.0200	<49.8	<49.8	<49.8	<49.8	9.33
	3	1/16/2020	In-Situ	<0.0199	<0.0199	<50.0	<50.0	<50.0	<50.0	14.8
	5	1/16/2020	In-Situ	<0.0198	<0.0198	<50.0	<50.0	<50.0	<50.0	578
	10	1/16/2020	In-Situ	<0.0199	<0.0199	<49.9	<49.9	<49.9	<49.9	361
S-14	0 - 1	11/13/2019	In-Situ	<0.00109	0.6186	493	2,870	<27.2	**3,370**	**1,190**
	1	1/16/2020	In-Situ	<0.0201	<0.0201	<50.0	<50.0	<50.0	<50.0	22.5
	3	1/16/2020	In-Situ	<0.0202	<0.0202	<49.8	<49.8	<49.8	<49.8	61.8
	5	1/16/2020	In-Situ	<0.0202	<0.0202	<50.0	<50.0	<50.0	<50.0	102
S-15	0 - 1	11/13/2019	In-Situ	<0.00106	0.01338	<26.6	30.4	<26.6	30.4	**2,120**
	1	1/21/2020	In-Situ	<0.0200	<0.0200	<50.0	<50.0	<50.0	<50.0	**885**
	3	1/21/2020	In-Situ	<0.0202	<0.0202	<49.9	<49.9	<49.9	<49.9	9.67
	5	1/21/2020	In-Situ	<0.0199	<0.0199	<50.0	<50.0	<50.0	<50.0	87.4
	10	1/21/2020	In-Situ	<0.0199	<0.0199	<50.0	<50.0	<50.0	<50.0	208
S-16	0 - 0.5	11/13/2019	In-Situ	<0.00103	<0.00618	<25.8	55.5	<25.8	55.5	**1,150**
	1	1/16/2020	In-Situ	<0.0201	<0.0201	<50.0	<50.0	<50.0	<50.0	7.18

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Table 1
Delineation Soil Sample Analytical Data Summary
Chevron USA, SD EA 29 32 Federal Com P10 #017H
Lea County, New Mexico
North 32 01' 58.46" West 103 36' 50.59"

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	1/16/2020	In-Situ	<0.0200	<0.0200	<50.0	<50.0	<50.0	<50.0	6.91
	5	1/16/2020	In-Situ	<0.0202	<0.0202	<50.0	<50.0	<50.0	<50.0	16.7
S-17	0 - 1	11/13/2019	In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	52.3
S-18	0 - 0.5	11/13/2019	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	**1,470**
	1	1/16/2020	In-Situ	<0.0200	<0.0200	<49.9	<49.9	<49.9	<49.9	16.0
	3	1/16/2020	In-Situ	<0.0199	<0.0199	<49.9	<49.9	<49.9	<49.9	25.2
	5	1/16/2020	In-Situ	<0.0201	<0.0201	<50.0	<50.0	<50.0	<50.0	29.7
	10	1/16/2020	In-Situ	<0.0198	<0.0198	<49.9	<49.9	<49.9	<49.9	276
S-19	0 - 1	11/13/2019	In-Situ	<0.00110	<0.00660	<27.5	<27.5	<27.5	<27.5	**1,400**
	1	1/17/2020	In-Situ	<0.0200	<0.0200	<50.0	<50.0	<50.0	<50.0	**1,670**
	3	1/17/2020	In-Situ	<0.0201	<0.0201	<50.0	<50.0	<50.0	<50.0	68.6
	5	1/17/2020	In-Situ	<0.0201	<0.0201	<49.9	<49.9	<49.9	<49.9	77.8
	10	1/17/2020	In-Situ	<0.0201	<0.0201	<50.0	<50.0	<50.0	<50.0	262
S-20	0 - 1	11/13/2019	In-Situ	<0.00108	<0.00647	<26.9	<26.9	<26.9	<26.9	**760**
	1	1/17/2020	In-Situ	<0.0199	<0.0199	<49.9	<49.9	<49.9	<49.9	**1,340**
	3	1/17/2020	In-Situ	<0.0199	<0.0199	<50.0	<50.0	<50.0	<50.0	**5,600**
	5	1/17/2020	In-Situ	<0.0201	<0.0201	<49.9	<49.9	<49.9	<49.9	**686**
	10	1/17/2020	In-Situ	<0.0199	<0.0199	<50.0	<50.0	<50.0	<50.0	322
S-21	0 - 1	11/13/2019	In-Situ	<0.00110	<0.00660	<27.5	64.5	34.1	98.6	**4,680**
	1	1/17/2020	In-Situ	<0.0199	<0.0199	<49.8	<49.8	<49.8	<49.8	28.7
	3	1/17/2020	In-Situ	<0.0200	<0.0200	<49.9	<49.9	<49.9	<49.9	29.4
	5	1/17/2020	In-Situ	<0.0201	<0.0201	<49.9	<49.9	<49.9	<49.9	**758**
	10	1/17/2020	In-Situ	<0.0199	<0.0199	<50.0	<50.0	<50.0	<50.0	**646**

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Table 1
Delineation Soil Sample Analytical Data Summary
Chevron USA, SD EA 29 32 Federal Com P10 #017H
Lea County, New Mexico
North 32 01' 58.46" West 103 36' 50.59"

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-22	0 - 1	11/13/2019	In-Situ	<0.00109	<0.00653	<27.2	<27.2	<27.2	<27.2	**3,110**
	1	1/17/2020	In-Situ	<0.0199	<0.0199	<49.9	<49.9	<49.9	<49.9	305
	3	1/17/2020	In-Situ	<0.0199	<0.0199	<49.8	<49.8	<49.8	<49.8	221
	5	1/17/2020	In-Situ	<0.0198	<0.0198	<50.0	<50.0	<50.0	<50.0	33.2
S-23	0 - 1	11/13/2019	In-Situ	<0.00110	<0.00660	<27.5	<27.5	<27.5	<27.5	14.8
S-24	0 - 1	11/13/2019	In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	7.35
BH-1 (S-21)	5	7/1/2020	In-Situ	--	--	--	--	--	--	**2,240**
	10	7/1/2020	In-Situ	--	--	--	--	--	--	494
	15	7/1/2020	In-Situ	--	--	--	--	--	--	280
	20	7/1/2020	In-Situ	--	--	--	--	--	--	410

Notes: Analysis performed by Xenco Laboratories by EPA SW-846 Methods 8021B (BTEX), 8015M (TPH), and M300 (chloride)
Depth in feet below ground surface (bgs)
mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)
<: denotes concentration less than analytical method reporting limit
Bold and Highlighted exceeds OCD remediation levels

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Table 2
Confirmation Soil Sample Analytical Data Summary
Chevron USA, Salado Draw Frac Pond 19
Lea County, New Mexico
N 32° 01' 58.46", W 103° 36' 50.59"

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
RAL:					**10**	**50**				**100 / 2,500**	**600 / 10,000**
C-25	Bottom	1.5	4/15/2021	Excavated	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	**631**
		2.5	5/19/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	11.3
C-26	Bottom	1.5	4/15/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	453
C-27	Bottom	1.5	4/15/2021	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	285
C-28	Bottom	1.5	4/15/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	158
C-29	Bottom	1.5	4/15/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	106
C-30	Bottom	1.5	4/15/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	59.8
C-31	Bottom	1.5	4/15/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	37.4
C-32	Bottom	1.5	4/15/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	76.8
C-33	Bottom	1.5	4/15/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	48.4
C-34	Bottom	1.5	4/15/2021	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	216
C-37	Bottom	1.5	4/19/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	99.4
C-38	Bottom	1.5	4/19/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	123
C-39	Bottom	1.5	4/19/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	442
C-40	Bottom	1.5	4/19/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	503
C-41	Bottom	1.5	4/19/2021	Excavated	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	**601**
		2.5	5/19/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	15.2
C-42	Bottom	1.5	4/19/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	580
C-43	Bottom	1.5	4/19/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	341
C-44	Bottom	1.5	4/19/2021	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	197
C-45	Bottom	1.5	4/19/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	254
C-46	Bottom	1.5	4/19/2021	In-Situ	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	168
C-47	Bottom	1.5	4/19/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	110
C-48	Bottom	1.5	4/19/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	78.3
C-49	Bottom	1.5	4/19/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	149
C-50	Bottom	1.5	4/19/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	139
C-51	Bottom	1.5	4/19/2021	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	45.6
C-52	Bottom	1.5	4/19/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	48.2
C-53	Bottom	1.5	4/19/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	63.2
C-54	Bottom	1.5	4/19/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	50.4

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Chevron USA, Salado Draw Frac Pond 19
Lea County, New Mexico
N 32° 01' 58.46", W 103° 36' 50.59"

C-55	Bottom	1.5	4/19/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	52.8
C-56	Bottom	1.5	4/19/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	50.9
C-57	Bottom	1.5	4/19/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	91.5
C-58	Bottom	1.5	4/19/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	165
C-59	Bottom	1.5	4/19/2021	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	238
C-60	Bottom	1.5	4/19/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	309
C-61	Bottom	1.5	4/19/2021	Excavated	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	**662**
		2.5	5/19/2021	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	13.7
C-62	Bottom	1.5	4/19/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	510
C-63	Bottom	1.5	4/19/2021	Excavated	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	**1,220**
		3	5/19/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	71.1
C-64	Bottom	1.5	4/19/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	512
C-65	Bottom	1.5	4/19/2021	Excavated	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	**673**
		3	5/19/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	123
C-66	Bottom	1.5	4/19/2021	Excavated	0.00319	<0.00398	<50.1	<50.1	<50.1	<50.1	**2,400**
		3	5/19/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	412
C-67	Bottom	1.5	4/19/2021	Excavated	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	**1,180**
		3	5/19/2021	Excavated	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	**1,040**
		4.1	6/4/2021	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	24.0
C-68	Bottom	1.5	4/19/2021	Excavated	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**784**
		3	5/19/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	98.2
C-69	Bottom	1.5	4/19/2021	Excavated	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	**1,330**
		3	5/19/2021	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**2,790**
		4.1	6/4/2021	In-Situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	389
C-70	Bottom	1.5	4/19/2021	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**2,080**
		3	5/19/2021	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**3,110**
		4.1	6/4/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	2,350
C-71	Bottom	1.5	4/19/2021	Excavated	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	**2,100**
		3	5/19/2021	Excavated	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	**943**
		4.1	6/4/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	1,530
C-72	Bottom	1.5	4/19/2021	Excavated	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	**2,190**
		3	5/19/2021	Excavated	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	**619**
		4.1	6/4/2021	In-Situ	0.0524	0.0524	<49.9	<49.9	<49.9	<49.9	903
C-73	Bottom	1.5	4/19/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	342
C-74	Bottom	1.5	4/19/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	342
C-75	Bottom	1.5	4/19/2021	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	493

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Lea County, New Mexico
N 32° 01' 58.46", W 103° 36' 50.59"

C-76	Bottom	1.5	4/19/2021	Excavated	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	**1,040**
		2.5	5/19/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	400
C-77	Bottom	1.5	4/19/2021	Excavated	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	**1,640**
		2.5	5/19/2021	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	562
C-78	Bottom	1.5	4/19/2021	Excavated	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	**1,410**
		2.5	5/19/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	64.5
C-79	Bottom	1.5	4/19/2021	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	501
C-80	Bottom	1.5	4/19/2021	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	364
C-81	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	447
C-82	Bottom	1.5	4/20/2021	Excavated	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	**1,390**
		2.5	5/19/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	24.8
C-83	Bottom	1.5	4/20/2021	Excavated	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	**1,110**
		2.5	5/19/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	13.5
C-84	Bottom	1.5	4/20/2021	Excavated	<0.00199	<0.00398	<49.9	71.3	<49.9	71.3	**1,490**
		2.5	5/19/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	37.7
C-85	Bottom	1.5	4/20/2021	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**713**
		2.5	5/19/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	14.6
C-86	Bottom	1.5	4/20/2021	In-Situ	<0.00198	<0.00396	<50.1	54.9	<50.1	54.9	330
C-91	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	145
C-92	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	183
C-93	Bottom	1.5	4/20/2021	In-Situ	0.00216	<0.00404	<49.8	<49.8	<49.8	<49.8	157
C-94	Bottom	1.5	4/20/2021	In-Situ	0.00317	0.0191	<49.9	<49.9	<49.9	<49.9	204
C-98	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	154
C-99	Bottom	1.5	4/20/2021	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	147
C-100	Bottom	1.5	4/20/2021	In-Situ	0.00784	0.0107	<50.0	<50.0	<50.0	<50.0	100
C-101	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	202
C-102	Bottom	1.5	4/20/2021	In-Situ	0.00203	<0.00404	<49.9	<49.9	<49.9	<49.9	159
C-103	Bottom	1.5	4/20/2021	Excavated	0.00213	<0.00401	<50.0	<50.0	<50.0	<50.0	**776**
		3	5/19/2021	In-Situ	<0.00200	0.0132	<50.0	<50.0	<50.0	<50.0	126
C-104	Bottom	1.5	4/20/2021	Excavated	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	**2,380**
		3	5/19/2021	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	298
C-105	Bottom	1.5	4/20/2021	Excavated	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	**2,360**
		3	5/19/2021	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	131
C-106	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	497
C-107	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	596
C-108	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	558

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N 32° 01' 58.46", W 103° 36' 50.59"

C-109	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	513
C-110	Bottom	1.5	4/20/2021	Excavated	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	**1,130**
		3	5/19/2021	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	28.2
C-111	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	544
C-112	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	360
C-113	Bottom	1.5	4/20/2021	In-Situ	0.00203	<0.00404	<50.1	<50.1	<50.1	<50.1	409
C-114	Bottom	1.5	4/20/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	300
C-115	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	379
C-116	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	320
C-117	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	191
C-118	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	306
C-119	Bottom	1.5	4/20/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	94.3
C-120	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	86.7
C-121	Bottom	1.5	4/20/2021	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	233
C-122	Bottom	1.5	4/20/2021	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	268
C-123	Bottom	1.5	4/20/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	487
C-124	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	298
C-125	Bottom	1.5	4/20/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	131
C-126	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	129
C-127	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	592
C-128	Bottom	1.5	4/20/2021	Excavated	<0.00198	<0.00397	52.2	<50.0	<50.0	52.2	**648**
		3	5/19/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	107
C-129	Bottom	1.5	4/20/2021	Excavated	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	340
C-130	Bottom	1.5	4/20/2021	Excavated	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	**722**
		3	5/19/2021	In-Situ	0.00297	0.00636	<49.9	<49.9	<49.9	<49.9	23.9
C-131	Bottom	1.5	4/20/2021	Excavated	<0.00200	<0.00401	52.0	<49.9	<49.9	52.0	**1,810**
		3	5/19/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	20.5
C-132	Bottom	1.5	4/20/2021	Excavated	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	**776**
		3	5/19/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	16.6
C-133	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	545
C-134	Bottom	1.5	4/20/2021	Excavated	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	**1,370**
		3	5/19/2021	In-Situ	<0.00200	<0.00399	<50.0	56.9	<50.0	56.9	10.4
C-135	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00400	<49.9	58.9	<49.9	58.9	117
C-136	Bottom	1.5	4/20/2021	Excavated	<0.00200	<0.00399	56.5	5,410	573	**6,040**	**1,160**
		3	5/19/2021	In-Situ	<0.00200	0.0104	<49.9	<49.9	<49.9	<49.9	13.5
C-137	Bottom	1.5	4/20/2021	Excavated	<0.00200	<0.00399	<49.9	494	61.4	**555**	**1,210**

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		3	5/19/2021	Excavated	<0.00200	<0.00399	<50.0	86.1	<50.0	86.1	**601**
		4.1	6/4/2021	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	11.2
C-138	Bottom	1.5	4/20/2021	Excavated	<0.00200	<0.00401	<50.0	734	105	**839**	**740**
		3	5/19/2021	In-Situ	<0.00199	<0.00398	<49.8	93.7	<49.8	93.7	485
C-139	Bottom	1.5	4/20/2021	Excavated	<0.00200	<0.00399	<50.0	813	84.6	**898**	586
		3	5/19/2021	In-Situ	<0.00198	<0.00396	<49.9	78.5	<49.9	78.5	73.0
C-140	Bottom	1.5	4/20/2021	Excavated	<0.00199	<0.00398	<50.0	219	<50.0	**219**	313
		3	5/19/2021	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	15.2
C-141	Bottom	1.5	4/20/2021	Excavated	<0.00200	<0.00399	59.0	399	<49.9	**458**	**708**
		3	5/19/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	13.3
C-142	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	103
C-143	Bottom	1.5	4/20/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	105
C-144	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	503
C-145	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	80.4
C-146	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	72.0
C-147	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00399	63.1	<49.9	<49.9	63.1	205
C-148	Bottom	1.5	4/20/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	152
C-149	Bottom	1.5	4/20/2021	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	203
C-150	Bottom	1.5	4/20/2021	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	67.2
C-151	Bottom	1.5	4/20/2021	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	126
C-152	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	140
C-153	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	267
C-154	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	172
C-155	Bottom	1.5	4/20/2021	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	357
C-156	Bottom	1.5	4/20/2021	Excavated	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	**793**
		2.5	5/19/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	44.6
C-157	Bottom	1.5	4/20/2021	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**743**
		2.5	5/19/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	62.2
C-158	Bottom	1.5	4/20/2021	Excavated	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	**666**
		2.5	5/19/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	17.0
C-159	Bottom	5.5	4/20/2021	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	341
C-160	Bottom	5.5	4/20/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	518
C-161	Bottom	5.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	385
C-162	Bottom	5.5	4/20/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	1,170
C-163	Bottom	5.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	941
C-164	Bottom	5.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	804

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C-165	Bottom	5.5	4/20/2021	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	598
C-166	Bottom	1.5	4/20/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	65.6
C-167	Bottom	1.5	4/20/2021	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	144
C-168	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	89.2
C-169	Bottom	1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	222
C-170	Bottom	1.5	4/20/2021	In-Situ	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	126
C-171	Bottom	1.5	4/20/2021	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	319
C-172	Bottom	1.5	4/20/2021	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	255
C-173	Bottom	1.5	4/20/2021	In-Situ	<0.00244	<0.00488	<50.1	<50.1	<50.1	<50.1	454
C-174	Bottom	5.5	4/20/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	165
C-175	Bottom	5.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	593
C-176	Bottom	5.5	4/20/2021	In-Situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	232
C-177	Bottom	5.5	4/20/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	680
C-178	Bottom	5.5	4/20/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	696
C-179	Bottom	5.5	4/20/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	589
C-180	Bottom	5.5	4/20/2021	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	523
C-181	Bottom	5.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,140
C-182	Bottom	5.5	4/20/2021	In-Situ	0.00294	<0.00402	<49.9	<49.9	<49.9	<49.9	587
C-183	Bottom	5.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	781
C-184	Bottom	5.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	36.1
C-185	Bottom	5.5	4/20/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	158
C-186	Bottom	5.5	4/20/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	114
C-187	Bottom	5.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	157
C-188	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	188
C-189	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	65.9
C-190	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	35.9
C-191	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	20.7
C-192	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	135
C-193	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	329
C-194	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	243
C-195	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	139
C-196	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	331
C-197	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	284
C-198	Sidewall	0 - 1.5	4/20/2021	In-Situ	0.00224	<0.00398	<49.9	<49.9	<49.9	<49.9	58.9
C-199	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	13.3
C-200	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	179

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Lea County, New Mexico
N 32° 01' 58.46", W 103° 36' 50.59"

C-201	Sidewall	0 - 1.5	4/20/2021	Excavated	<0.00201	<0.00402	<50.0	297	<50.0	**297**	380
			5/19/20201	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	**863**
			6/4/2021	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	93.3
C-202	Sidewall	0 -1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	250
C-203	Sidewall	0 -1.5	4/20/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	27.1
C-204	Sidewall	0 -1.5	4/20/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	118
C-205	Bottom	5.5	4/20/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	114
C-206	Bottom	5.5	4/20/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	524
C-207	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.001999	<0.00398	<50.0	<50.0	<50.0	<50.0	394
C-208	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	498
C-209	Sidewall	0 - 1.5	4/20/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	204
Backfill-1	--	0-1	4/19/2021	In-Situ	<0.00199	<0.00398	<49.9	56.3	<49.9	56.3	21.1
Backfill-2	--	0-1	4/19/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	7.83
Backfill-3	--	0-1	4/19/2021	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	6.65
Backfill-4	--	0-1	4/19/2021	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	9.57
Backfill-5	--	0-1	4/19/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	7.22
Backfill-6	--	0-1	4/19/2021	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	7.24
Backfill-7	--	0-1	4/19/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	8.63
Backfill-8	--	0-1	4/19/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	7.64
Backfill-9	--	0-1	4/19/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	8.09
Backfill-10	--	0-1	4/19/2021	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	6.13
Backfill-11	--	0-1	4/19/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	6.45
Backfill-12	--	0-1	4/19/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	6.59

Notes: analysis performed by Xenco Laboratories (Xenco), Midland, Texas 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)

Bold and Highlighted Denotes Conetrations Above OCD Closure Criteria

Figures

Released to Imaging: 10/13/2021 7:58:41 AM
Received by OCD: 9/21/2021 11:24:22 AM

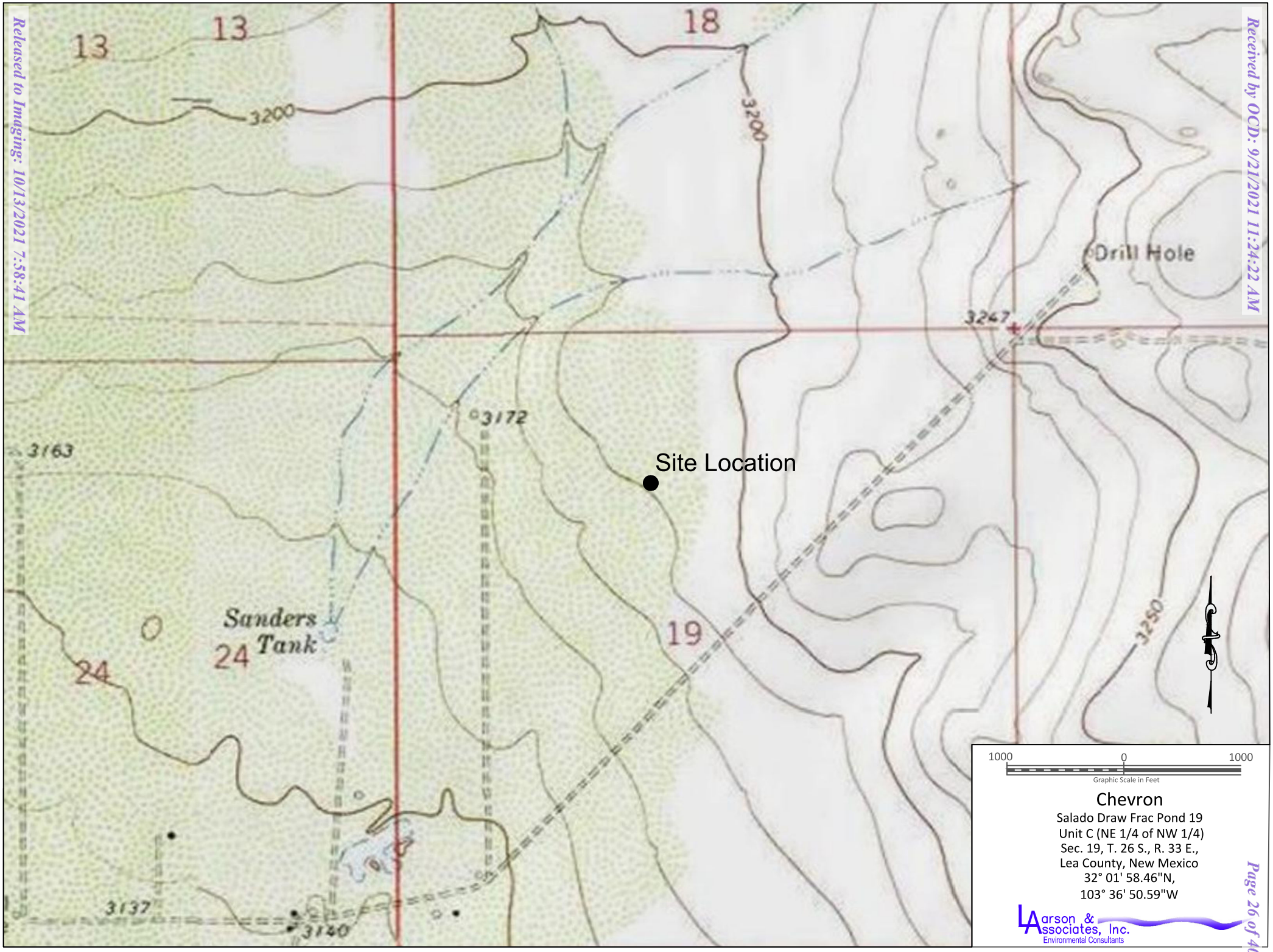


Figure 1 - Topographic Map

Released to Imaging: 10/13/2021 7:58:41 AM
Received by OCD: 9/21/2021 11:24:22 AM



Figure 2 - Aerial Map

Released to Imaging: 10/13/2021 7:58:41 AM
Received by OCD: 9/21/2021 11:24:22 AM

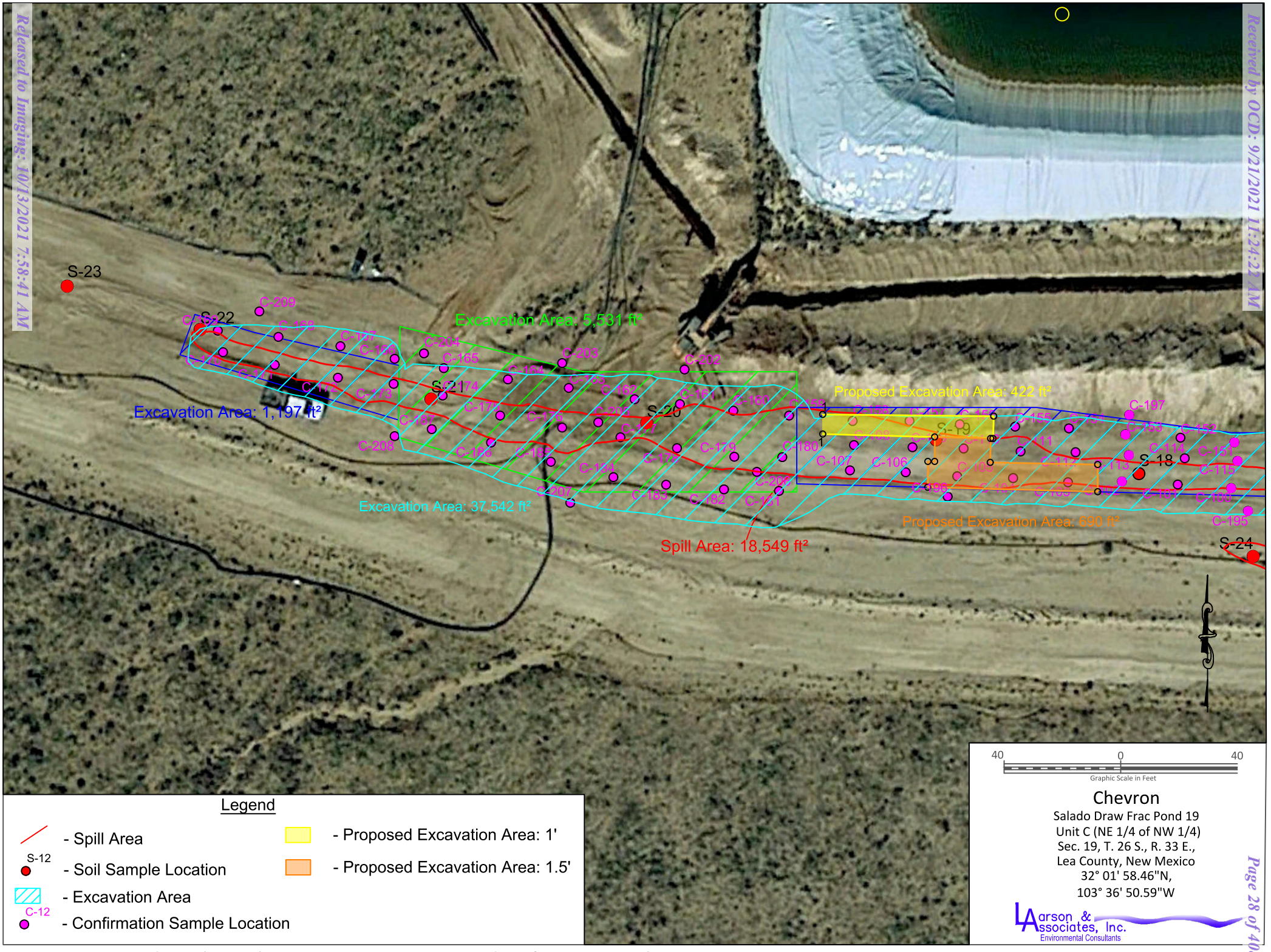


Figure 3a - Focused Aerial Map Showing Western Excavation and Confirmation Samples

Released to Imaging: 10/13/2021 7:58:41 AM
Received by OCD: 9/21/2021 11:24:22 AM

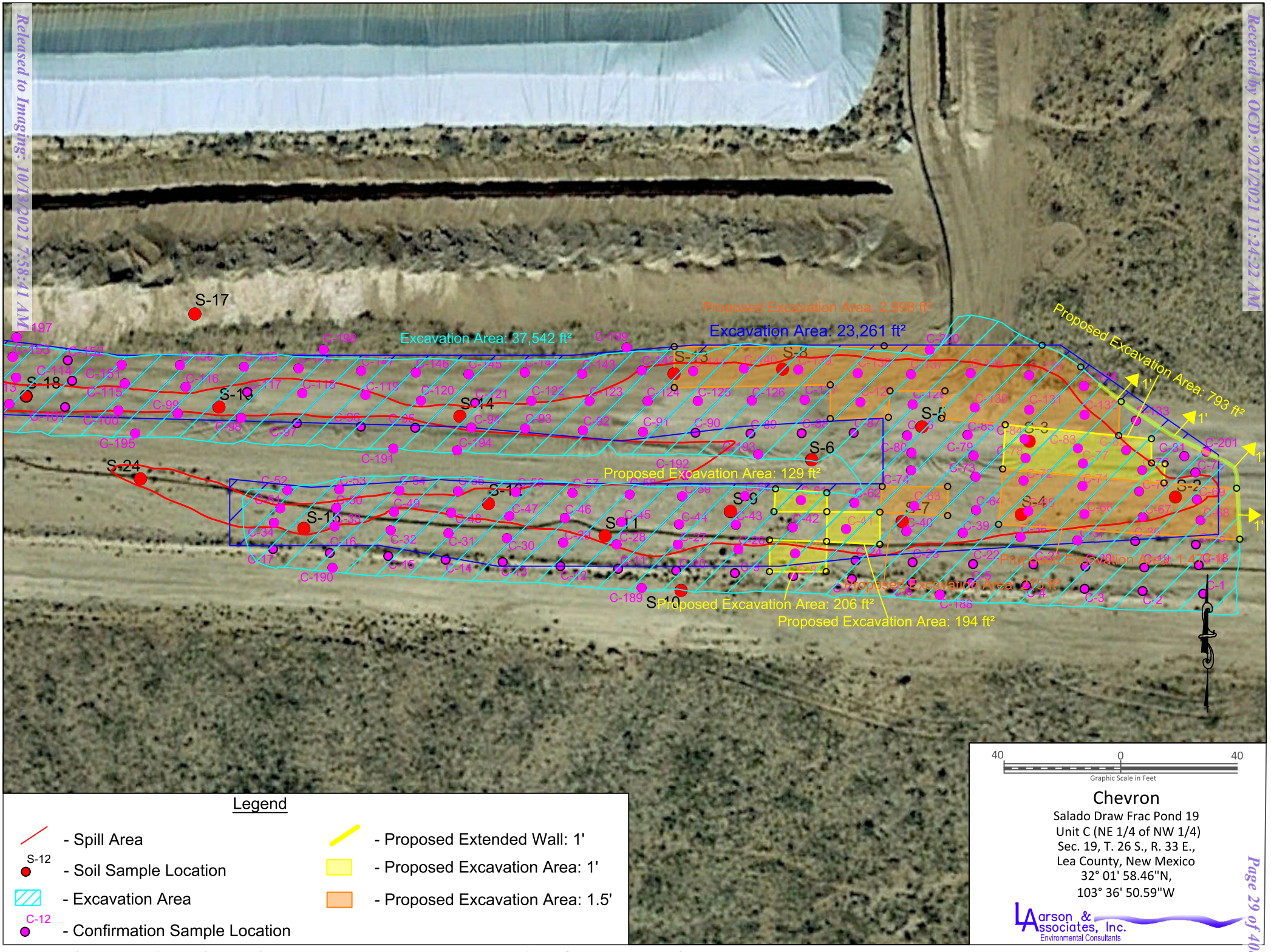


Figure 3b - Focused Aerial Map Showing Eastern Excavation Area and Confirmation Samples

Appendix A
Initial C-141

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nVV2003555031
District RP	
Facility ID	
Application ID	

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.***

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

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

Printed Name: Amy Barnhill Title: Waste and Water Specialist

Signature:  Date: 8-17-2020

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Victoria Venegas Date: 08/17/2020

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

Signature:  Date: 09/08/2020

Appendix B
Boring Logs

BORING RECORD

Start: 12:20 MDT
Finish: 15:40

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING (PPM X 1)	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING
	0	Silty Sand, 5YR 5/4, Reddish Brown, Very Fine Grained Quartz Sand, Poorly Sorted, Dry	ML							SOIL : PPM
	6	2.5YR 5/4, Light Reddish Brown, Below 4 ft	Caliche			1			6	SOIL : PPM
	10	Caliche, 7.5YR 8/2, Pinkish White, Coarse Grained, Poorly Sorted, Dry								
	20									
	25	Silty Sand, 2.5YR 6/4, Light Reddish Brown, Fine Grained, Well Sorted, Dry	ML			2			25	
	30									
	40									
	50	Began Injecting Water								
	55	Caliche, 7.5YR 8/2, Pinkish White, Fine Grained, Dry	Caliche			3			55	
	60									
	66	Silty Sand, 7.5YR 4/2, Fine Grained Quartz Sand, Well Sorted, Dry	ML			4			66	
70.12' Depth of Water	70									
	80									
	90									
	100									
	110					5			110.75	
		TD: 110.75'								

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

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 04-09-2020
BORING NUMBER : SB-01

JOB NUMBER : Chevron/19-0180-05
HOLE DIAMETER : 2"
LOCATION : Salado Draw Frac Pond 19
LAI GEOLOGIST : E. Chavez
DRILLING CONTRACTOR : Scarborough
DRILLING METHOD : Air Rotary

Appendix C
Laboratory Reports

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-1584-1
Laboratory Sample Delivery Group: NM
Client Project/Site: Frac Pond 19

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
5/10/2021 9:28:51 AM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

LINKS

Review your project results through TotalAccess

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: Frac Pond 19

Laboratory Job ID: 880-1584-1
SDG: NM

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
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.

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

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Job ID: 880-1584-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-1584-1

Receipt
The samples were received on 4/26/2021 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 2.6°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-2378 and analytical batch 880-2381 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: C-91 (880-1584-91), C-94 (880-1584-94), C-98 (880-1584-98), C-99 (880-1584-99), C-100 (880-1584-100), C-109 (880-1584-109), C-110 (880-1584-110) and C-114 (880-1584-114). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-50 (880-1584-50) and C-57 (880-1584-57). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-68 (880-1584-68), C-75 (880-1584-75), C-76 (880-1584-76), C-80 (880-1584-80) and (880-1584-A-64-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-81 (880-1584-81) and C-82 (880-1584-82). 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
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 for preparation batch 880-2382 and analytical batch 880-2462 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 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-2387 and analytical batch 880-2502 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.

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-25
Lab Sample ID: 880-1584-25
Date Collected: 04/15/21 13:22
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/21 16:08	04/26/21 23:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 16:08	04/26/21 23:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 16:08	04/26/21 23:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/26/21 16:08	04/26/21 23:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 16:08	04/26/21 23:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/26/21 16:08	04/26/21 23:24	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/26/21 16:08	04/26/21 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/26/21 16:08*	*04/26/21 23:24*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/26/21 16:08*	*04/26/21 23:24*	*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		04/26/21 14:12	04/27/21 10:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 10:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 10:51	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/26/21 14:12*	*04/27/21 10:51*	*1*
o-Terphenyl	*121*		*70 - 130*	*04/26/21 14:12*	*04/27/21 10:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**631**	**F1**	4.98		mg/Kg			04/29/21 19:03	1

Client Sample ID: C-26
Lab Sample ID: 880-1584-26
Date Collected: 04/15/21 13:23
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/26/21 23:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/26/21 23:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/26/21 23:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 16:08	04/26/21 23:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/26/21 23:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 16:08	04/26/21 23:44	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 16:08	04/26/21 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/26/21 16:08*	*04/26/21 23:44*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 16:08*	*04/26/21 23:44*	*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		04/26/21 14:12	04/27/21 11:55	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-26
Lab Sample ID: 880-1584-26
Date Collected: 04/15/21 13:23
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 11:55	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 11:55	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/26/21 14:12*	*04/27/21 11:55*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/26/21 14:12*	*04/27/21 11:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**453**		5.04		mg/Kg			04/29/21 19:19	1

Client Sample ID: C-27
Lab Sample ID: 880-1584-27
Date Collected: 04/15/21 13:24
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 00:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 00:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 00:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/26/21 16:08	04/27/21 00:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 00:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/21 16:08	04/27/21 00:05	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/26/21 16:08	04/27/21 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/26/21 16:08*	*04/27/21 00:05*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/26/21 16:08*	*04/27/21 00:05*	*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		04/26/21 14:12	04/27/21 12:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/26/21 14:12	04/27/21 12:16	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/26/21 14:12	04/27/21 12:16	1
Total TPH	<49.8	U	49.8		mg/Kg		04/26/21 14:12	04/27/21 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/26/21 14:12*	*04/27/21 12:16*	*1*
o-Terphenyl	*121*		*70 - 130*	*04/26/21 14:12*	*04/27/21 12:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**285**		5.05		mg/Kg			04/29/21 19:24	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-28 Lab Sample ID: 880-1584-28

Date Collected: 04/15/21 13:25 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 00:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 00:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 00:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/26/21 16:08	04/27/21 00:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 00:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/21 16:08	04/27/21 00:25	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/26/21 16:08	04/27/21 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/26/21 16:08*	*04/27/21 00:25*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/26/21 16:08*	*04/27/21 00:25*	*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		04/26/21 14:12	04/27/21 12:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 12:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 12:37	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/26/21 14:12*	*04/27/21 12:37*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/26/21 14:12*	*04/27/21 12:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**158**		4.98		mg/Kg			04/29/21 19:30	1

Client Sample ID: C-29 Lab Sample ID: 880-1584-29

Date Collected: 04/15/21 13:26 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 00:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 00:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 00:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/21 16:08	04/27/21 00:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 00:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/21 16:08	04/27/21 00:45	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/26/21 16:08	04/27/21 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/26/21 16:08*	*04/27/21 00:45*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 16:08*	*04/27/21 00:45*	*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		04/26/21 14:12	04/27/21 12:59	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-29
Lab Sample ID: 880-1584-29
Date Collected: 04/15/21 13:26
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 12:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 12:59	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/26/21 14:12*	*04/27/21 12:59*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/26/21 14:12*	*04/27/21 12:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**		4.99		mg/Kg			04/30/21 15:16	1

Client Sample ID: C-30
Lab Sample ID: 880-1584-30
Date Collected: 04/15/21 13:27
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 01:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 01:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 01:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/21 16:08	04/27/21 01:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 01:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/21 16:08	04/27/21 01:06	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/26/21 16:08	04/27/21 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/26/21 16:08*	*04/27/21 01:06*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/26/21 16:08*	*04/27/21 01:06*	*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		04/26/21 14:12	04/27/21 13:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 13:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 13:20	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/26/21 14:12*	*04/27/21 13:20*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/26/21 14:12*	*04/27/21 13:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.8**		5.05		mg/Kg			04/30/21 15:32	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-31 Lab Sample ID: 880-1584-31

Date Collected: 04/15/21 13:28 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 01:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 01:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 01:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 16:08	04/27/21 01:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 01:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 16:08	04/27/21 01:26	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 16:08	04/27/21 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/26/21 16:08*	*04/27/21 01:26*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/26/21 16:08*	*04/27/21 01:26*	*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		04/26/21 14:12	04/27/21 13:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 13:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 13:41	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/26/21 14:12*	*04/27/21 13:41*	*1*
o-Terphenyl	*111*		*70 - 130*	*04/26/21 14:12*	*04/27/21 13:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.4**		5.02		mg/Kg			04/30/21 15:38	1

Client Sample ID: C-32 Lab Sample ID: 880-1584-32

Date Collected: 04/15/21 13:29 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/21 16:08	04/27/21 03:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 16:08	04/27/21 03:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 16:08	04/27/21 03:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 16:08	04/27/21 03:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 16:08	04/27/21 03:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 16:08	04/27/21 03:49	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 16:08	04/27/21 03:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/26/21 16:08*	*04/27/21 03:49*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/26/21 16:08*	*04/27/21 03:49*	*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		04/26/21 14:12	04/27/21 14:03	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-32
Lab Sample ID: 880-1584-32
Date Collected: 04/15/21 13:29
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 14:03	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 14:03	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/26/21 14:12*	*04/27/21 14:03*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/26/21 14:12*	*04/27/21 14:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.8**		4.98		mg/Kg			04/30/21 15:44	1

Client Sample ID: C-33
Lab Sample ID: 880-1584-33
Date Collected: 04/15/21 13:30
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/27/21 04:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/27/21 04:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/27/21 04:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 16:08	04/27/21 04:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/27/21 04:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 16:08	04/27/21 04:09	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 16:08	04/27/21 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/26/21 16:08*	*04/27/21 04:09*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/26/21 16:08*	*04/27/21 04:09*	*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		04/26/21 14:12	04/27/21 14:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 14:24	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 14:24	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/26/21 14:12*	*04/27/21 14:24*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/26/21 14:12*	*04/27/21 14:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48.4**		4.97		mg/Kg			04/30/21 15:49	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-34

Date Collected: 04/15/21 13:31
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-34

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		04/26/21 16:08	04/27/21 04:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 16:08	04/27/21 04:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 16:08	04/27/21 04:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 16:08	04/27/21 04:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 16:08	04/27/21 04:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 16:08	04/27/21 04:30	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 16:08	04/27/21 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/26/21 16:08*	*04/27/21 04:30*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/26/21 16:08*	*04/27/21 04:30*	*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		04/26/21 14:12	04/27/21 14:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 14:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 14:45	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/26/21 14:12*	*04/27/21 14:45*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/26/21 14:12*	*04/27/21 14:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**216**		4.95		mg/Kg			04/30/21 16:06	1

Client Sample ID: C-37

Date Collected: 04/19/21 09:02
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-37

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		04/26/21 16:08	04/27/21 04:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 04:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 04:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 16:08	04/27/21 04:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 04:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 16:08	04/27/21 04:50	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 16:08	04/27/21 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*04/26/21 16:08*	*04/27/21 04:50*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*04/26/21 16:08*	*04/27/21 04:50*	*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		04/26/21 14:12	04/27/21 15:28	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-37
Lab Sample ID: 880-1584-37
Date Collected: 04/19/21 09:02
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 15:28	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 15:28	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/26/21 14:12*	*04/27/21 15:28*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/26/21 14:12*	*04/27/21 15:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.4**		4.95		mg/Kg			04/30/21 16:12	1

Client Sample ID: C-38
Lab Sample ID: 880-1584-38
Date Collected: 04/19/21 09:03
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/27/21 05:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/27/21 05:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/27/21 05:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 16:08	04/27/21 05:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/27/21 05:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 16:08	04/27/21 05:10	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 16:08	04/27/21 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/26/21 16:08*	*04/27/21 05:10*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/26/21 16:08*	*04/27/21 05:10*	*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		04/26/21 14:12	04/27/21 15:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 15:50	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 15:50	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/26/21 14:12*	*04/27/21 15:50*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/26/21 14:12*	*04/27/21 15:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		5.00		mg/Kg			04/30/21 16:17	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-39
Lab Sample ID: 880-1584-39
Date Collected: 04/19/21 09:04
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/27/21 05:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/27/21 05:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/27/21 05:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 16:08	04/27/21 05:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 16:08	04/27/21 05:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 16:08	04/27/21 05:31	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 16:08	04/27/21 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/26/21 16:08*	*04/27/21 05:31*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/26/21 16:08*	*04/27/21 05:31*	*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		04/26/21 14:12	04/27/21 16:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 16:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 16:11	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*04/26/21 14:12*	*04/27/21 16:11*	*1*
o-Terphenyl	*127*		*70 - 130*	*04/26/21 14:12*	*04/27/21 16:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**442**		5.04		mg/Kg			04/30/21 16:23	1

Client Sample ID: C-40
Lab Sample ID: 880-1584-40
Date Collected: 04/19/21 09:05
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 05:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 05:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 05:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/21 16:08	04/27/21 05:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 05:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/21 16:08	04/27/21 05:51	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/26/21 16:08	04/27/21 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*04/26/21 16:08*	*04/27/21 05:51*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/26/21 16:08*	*04/27/21 05:51*	*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		04/26/21 14:12	04/27/21 16:33	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-40
Lab Sample ID: 880-1584-40
Date Collected: 04/19/21 09:05
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 16:33	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 16:33	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/26/21 14:12*	*04/27/21 16:33*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/26/21 14:12*	*04/27/21 16:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**503**		5.05		mg/Kg			04/30/21 16:28	1

Client Sample ID: C-41
Lab Sample ID: 880-1584-41
Date Collected: 04/19/21 09:06
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 06:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 06:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 06:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 16:08	04/27/21 06:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/27/21 06:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 16:08	04/27/21 06:12	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 16:08	04/27/21 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/26/21 16:08*	*04/27/21 06:12*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 16:08*	*04/27/21 06:12*	*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		04/26/21 14:12	04/27/21 16:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 16:54	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 16:54	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/26/21 14:12*	*04/27/21 16:54*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/26/21 14:12*	*04/27/21 16:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**601**	**F1**	4.98		mg/Kg			04/30/21 16:34	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-42
Lab Sample ID: 880-1584-42
Date Collected: 04/19/21 09:07
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/21 16:08	04/27/21 06:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 16:08	04/27/21 06:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 16:08	04/27/21 06:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/26/21 16:08	04/27/21 06:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 16:08	04/27/21 06:32	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/26/21 16:08	04/27/21 06:32	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/26/21 16:08	04/27/21 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/26/21 16:08*	*04/27/21 06:32*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 16:08*	*04/27/21 06:32*	*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		04/26/21 14:12	04/27/21 17:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 17:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 17:15	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/26/21 14:12*	*04/27/21 17:15*	*1*
o-Terphenyl	*122*		*70 - 130*	*04/26/21 14:12*	*04/27/21 17:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**580**		5.04		mg/Kg			04/30/21 16:51	1

Client Sample ID: C-43
Lab Sample ID: 880-1584-43
Date Collected: 04/19/21 09:08
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/21 16:08	04/27/21 06:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 16:08	04/27/21 06:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 16:08	04/27/21 06:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 16:08	04/27/21 06:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 16:08	04/27/21 06:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 16:08	04/27/21 06:53	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 16:08	04/27/21 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/26/21 16:08*	*04/27/21 06:53*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/26/21 16:08*	*04/27/21 06:53*	*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		04/26/21 14:12	04/27/21 17:36	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-43 Lab Sample ID: 880-1584-43

Date Collected: 04/19/21 09:08 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 17:36	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 17:36	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/26/21 14:12*	*04/27/21 17:36*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/26/21 14:12*	*04/27/21 17:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**341**		4.97		mg/Kg			04/30/21 16:56	1

Client Sample ID: C-44 Lab Sample ID: 880-1584-44

Date Collected: 04/19/21 09:09 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 13:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 13:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 13:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/26/21 15:20	04/27/21 13:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 13:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/26/21 15:20	04/27/21 13:27	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/26/21 15:20	04/27/21 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/26/21 15:20*	*04/27/21 13:27*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 15:20*	*04/27/21 13:27*	*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		04/26/21 14:12	04/27/21 17:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 17:57	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 17:57	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:12	04/27/21 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/26/21 14:12*	*04/27/21 17:57*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/26/21 14:12*	*04/27/21 17:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**197**		4.95		mg/Kg			04/30/21 17:13	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-45 Lab Sample ID: 880-1584-45

Date Collected: 04/19/21 09:10 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 13:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 13:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 13:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/27/21 13:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 13:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/27/21 13:47	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/27/21 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/26/21 15:20*	*04/27/21 13:47*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/26/21 15:20*	*04/27/21 13:47*	*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		04/26/21 14:12	04/27/21 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 18:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 18:18	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/26/21 14:12*	*04/27/21 18:18*	*1*
o-Terphenyl	*111*		*70 - 130*	*04/26/21 14:12*	*04/27/21 18:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**254**		5.05		mg/Kg			04/30/21 17:19	1

Client Sample ID: C-46 Lab Sample ID: 880-1584-46

Date Collected: 04/19/21 09:11 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 14:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 14:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 14:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:20	04/27/21 14:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 14:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:20	04/27/21 14:08	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:20	04/27/21 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/26/21 15:20*	*04/27/21 14:08*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/26/21 15:20*	*04/27/21 14:08*	*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	<50.1	U	50.1		mg/Kg		04/26/21 14:12	04/27/21 18:40	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-46
Lab Sample ID: 880-1584-46
Date Collected: 04/19/21 09:11
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/26/21 14:12	04/27/21 18:40	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/26/21 14:12	04/27/21 18:40	1
Total TPH	<50.1	U	50.1		mg/Kg		04/26/21 14:12	04/27/21 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/26/21 14:12*	*04/27/21 18:40*	*1*
o-Terphenyl	*117*		*70 - 130*	*04/26/21 14:12*	*04/27/21 18:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**168**		5.05		mg/Kg			04/30/21 17:24	1

Client Sample ID: C-47
Lab Sample ID: 880-1584-47
Date Collected: 04/19/21 09:12
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:20	04/27/21 14:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:20	04/27/21 14:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:20	04/27/21 14:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 15:20	04/27/21 14:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:20	04/27/21 14:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 15:20	04/27/21 14:28	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 15:20	04/27/21 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*04/26/21 15:20*	*04/27/21 14:28*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/26/21 15:20*	*04/27/21 14:28*	*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		04/26/21 14:47	04/27/21 10:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 10:51	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 10:51	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/26/21 14:47*	*04/27/21 10:51*	*1*
o-Terphenyl	*90*		*70 - 130*	*04/26/21 14:47*	*04/27/21 10:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		4.98		mg/Kg			04/30/21 17:30	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-48 Lab Sample ID: 880-1584-48

Date Collected: 04/19/21 09:13 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 14:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 14:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 14:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/26/21 15:20	04/27/21 14:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 14:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/21 15:20	04/27/21 14:48	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/26/21 15:20	04/27/21 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/26/21 15:20*	*04/27/21 14:48*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/26/21 15:20*	*04/27/21 14:48*	*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		04/26/21 14:47	04/27/21 11:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 11:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 11:55	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/26/21 14:47*	*04/27/21 11:55*	*1*
o-Terphenyl	*95*		*70 - 130*	*04/26/21 14:47*	*04/27/21 11:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**78.3**		5.00		mg/Kg			04/30/21 17:35	1

Client Sample ID: C-49 Lab Sample ID: 880-1584-49

Date Collected: 04/19/21 09:14 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 15:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 15:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 15:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:20	04/27/21 15:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 15:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:20	04/27/21 15:09	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:20	04/27/21 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*04/26/21 15:20*	*04/27/21 15:09*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/26/21 15:20*	*04/27/21 15:09*	*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		04/26/21 14:47	04/27/21 12:16	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-49 Lab Sample ID: 880-1584-49

Date Collected: 04/19/21 09:14 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/26/21 14:47	04/27/21 12:16	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/26/21 14:47	04/27/21 12:16	1
Total TPH	<49.8	U	49.8		mg/Kg		04/26/21 14:47	04/27/21 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/26/21 14:47*	*04/27/21 12:16*	*1*
o-Terphenyl	*94*		*70 - 130*	*04/26/21 14:47*	*04/27/21 12:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**149**		5.00		mg/Kg			04/30/21 17:41	1

Client Sample ID: C-50 Lab Sample ID: 880-1584-50

Date Collected: 04/19/21 09:15 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 15:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 15:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 15:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:20	04/27/21 15:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 15:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:20	04/27/21 15:29	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:20	04/27/21 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*04/26/21 15:20*	*04/27/21 15:29*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/26/21 15:20*	*04/27/21 15:29*	*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		04/26/21 14:47	04/27/21 12:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 12:37	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 12:37	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*04/26/21 14:47*	*04/27/21 12:37*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/26/21 14:47*	*04/27/21 12:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**139**		4.96		mg/Kg			04/30/21 17:47	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-51 Lab Sample ID: 880-1584-51

Date Collected: 04/19/21 09:16 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 15:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 15:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 15:50	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/26/21 15:20	04/27/21 15:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 15:50	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/26/21 15:20	04/27/21 15:50	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/26/21 15:20	04/27/21 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/26/21 15:20*	*04/27/21 15:50*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/26/21 15:20*	*04/27/21 15:50*	*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		04/26/21 14:47	04/27/21 12:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 12:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 12:59	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/26/21 14:47*	*04/27/21 12:59*	*1*
o-Terphenyl	*93*		*70 - 130*	*04/26/21 14:47*	*04/27/21 12:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.6**		4.99		mg/Kg			04/30/21 18:31	1

Client Sample ID: C-52 Lab Sample ID: 880-1584-52

Date Collected: 04/19/21 09:17 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 16:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 16:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 16:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/26/21 15:20	04/27/21 16:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 16:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/26/21 15:20	04/27/21 16:10	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/26/21 15:20	04/27/21 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*04/26/21 15:20*	*04/27/21 16:10*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/26/21 15:20*	*04/27/21 16:10*	*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		04/26/21 14:47	04/27/21 13:20	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-52 Lab Sample ID: 880-1584-52

Date Collected: 04/19/21 09:17 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 13:20	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 13:20	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/26/21 14:47*	*04/27/21 13:20*	*1*
o-Terphenyl	*90*		*70 - 130*	*04/26/21 14:47*	*04/27/21 13:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48.2**		4.96		mg/Kg			04/30/21 18:48	1

Client Sample ID: C-53 Lab Sample ID: 880-1584-53

Date Collected: 04/19/21 09:18 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 16:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 16:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 16:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/27/21 16:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 16:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/27/21 16:30	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/27/21 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 15:20*	*04/27/21 16:30*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/26/21 15:20*	*04/27/21 16:30*	*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		04/26/21 14:47	04/27/21 13:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 13:41	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 13:41	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/26/21 14:47*	*04/27/21 13:41*	*1*
o-Terphenyl	*91*		*70 - 130*	*04/26/21 14:47*	*04/27/21 13:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.2**		4.95		mg/Kg			04/30/21 18:54	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-54
Lab Sample ID: 880-1584-54
Date Collected: 04/19/21 09:19
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 17:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 17:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 17:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/27/21 17:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 17:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/27/21 17:52	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/27/21 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/26/21 15:20*	*04/27/21 17:52*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 15:20*	*04/27/21 17:52*	*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		04/26/21 14:47	04/27/21 14:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 14:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 14:03	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/26/21 14:47*	*04/27/21 14:03*	*1*
o-Terphenyl	*94*		*70 - 130*	*04/26/21 14:47*	*04/27/21 14:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50.4**		5.04		mg/Kg			04/30/21 18:59	1

Client Sample ID: C-55
Lab Sample ID: 880-1584-55
Date Collected: 04/19/21 09:20
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 18:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 18:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 18:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/21 15:20	04/27/21 18:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 18:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/21 15:20	04/27/21 18:13	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/26/21 15:20	04/27/21 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/26/21 15:20*	*04/27/21 18:13*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/26/21 15:20*	*04/27/21 18:13*	*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		04/26/21 14:47	04/27/21 14:24	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-55
Lab Sample ID: 880-1584-55
Date Collected: 04/19/21 09:20
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 14:24	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 14:24	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/26/21 14:47*	*04/27/21 14:24*	*1*
o-Terphenyl	*100*		*70 - 130*	*04/26/21 14:47*	*04/27/21 14:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.8**		5.02		mg/Kg			04/30/21 19:05	1

Client Sample ID: C-56
Lab Sample ID: 880-1584-56
Date Collected: 04/19/21 09:21
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:20	04/27/21 18:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:20	04/27/21 18:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:20	04/27/21 18:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 15:20	04/27/21 18:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:20	04/27/21 18:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 15:20	04/27/21 18:33	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 15:20	04/27/21 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/26/21 15:20*	*04/27/21 18:33*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 15:20*	*04/27/21 18:33*	*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		04/26/21 14:47	04/27/21 14:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 14:45	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 14:45	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/26/21 14:47*	*04/27/21 14:45*	*1*
o-Terphenyl	*90*		*70 - 130*	*04/26/21 14:47*	*04/27/21 14:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50.9**		5.02		mg/Kg			04/30/21 19:22	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-57

Date Collected: 04/19/21 09:22
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-57
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		04/26/21 15:20	04/27/21 18:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:20	04/27/21 18:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:20	04/27/21 18:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 15:20	04/27/21 18:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:20	04/27/21 18:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 15:20	04/27/21 18:54	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 15:20	04/27/21 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*04/26/21 15:20*	*04/27/21 18:54*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/26/21 15:20*	*04/27/21 18:54*	*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		04/26/21 14:47	04/27/21 15:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 15:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 15:28	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/26/21 14:47*	*04/27/21 15:28*	*1*
o-Terphenyl	*91*		*70 - 130*	*04/26/21 14:47*	*04/27/21 15:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.5**		4.98		mg/Kg			04/30/21 19:27	1

Client Sample ID: C-58

Date Collected: 04/19/21 09:23
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-58
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		04/26/21 15:20	04/27/21 19:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 19:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 19:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:20	04/27/21 19:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:20	04/27/21 19:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:20	04/27/21 19:14	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:20	04/27/21 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/26/21 15:20*	*04/27/21 19:14*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 15:20*	*04/27/21 19:14*	*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		04/26/21 14:47	04/27/21 15:50	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-58 Lab Sample ID: 880-1584-58

Date Collected: 04/19/21 09:23 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 15:50	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 15:50	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*04/26/21 14:47*	*04/27/21 15:50*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/26/21 14:47*	*04/27/21 15:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**165**		5.03		mg/Kg			04/30/21 19:33	1

Client Sample ID: C-59 Lab Sample ID: 880-1584-59

Date Collected: 04/19/21 09:24 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 19:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 19:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 19:34	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/26/21 15:20	04/27/21 19:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:20	04/27/21 19:34	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/26/21 15:20	04/27/21 19:34	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/26/21 15:20	04/27/21 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/26/21 15:20*	*04/27/21 19:34*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/26/21 15:20*	*04/27/21 19:34*	*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		04/26/21 14:47	04/27/21 16:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 16:11	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 16:11	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*04/26/21 14:47*	*04/27/21 16:11*	*1*
o-Terphenyl	*79*		*70 - 130*	*04/26/21 14:47*	*04/27/21 16:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**238**		4.98		mg/Kg			04/30/21 19:38	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-60 Lab Sample ID: 880-1584-60

Date Collected: 04/19/21 09:25 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/28/21 09:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/28/21 09:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/28/21 09:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/26/21 15:20	04/28/21 09:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/28/21 09:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/21 15:20	04/28/21 09:00	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/26/21 15:20	04/28/21 09:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/26/21 15:20*	*04/28/21 09:00*	*1*
1,4-Difluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*04/26/21 15:20*	*04/28/21 09:00*	*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		04/26/21 14:47	04/27/21 16:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 16:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 16:33	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:47	04/27/21 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*04/26/21 14:47*	*04/27/21 16:33*	*1*
o-Terphenyl	*76*		*70 - 130*	*04/26/21 14:47*	*04/27/21 16:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**309**		4.98		mg/Kg			04/30/21 19:44	1

Client Sample ID: C-61 Lab Sample ID: 880-1584-61

Date Collected: 04/19/21 09:26 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:20	04/28/21 09:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:20	04/28/21 09:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:20	04/28/21 09:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/26/21 15:20	04/28/21 09:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:20	04/28/21 09:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/26/21 15:20	04/28/21 09:21	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/26/21 15:20	04/28/21 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/26/21 15:20*	*04/28/21 09:21*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 15:20*	*04/28/21 09:21*	*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		04/26/21 14:48	04/27/21 16:54	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-61
Lab Sample ID: 880-1584-61
Date Collected: 04/19/21 09:26
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:48	04/27/21 16:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:48	04/27/21 16:54	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:48	04/27/21 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/26/21 14:48*	*04/27/21 16:54*	*1*
o-Terphenyl	*81*		*70 - 130*	*04/26/21 14:48*	*04/27/21 16:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**662**		5.05		mg/Kg			04/30/21 19:50	1

Client Sample ID: C-62
Lab Sample ID: 880-1584-62
Date Collected: 04/19/21 09:27
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/28/21 09:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/28/21 09:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/28/21 09:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/28/21 09:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/28/21 09:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/28/21 09:41	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/28/21 09:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/26/21 15:20*	*04/28/21 09:41*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/26/21 15:20*	*04/28/21 09:41*	*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		04/26/21 14:48	04/27/21 17:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:48	04/27/21 17:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:48	04/27/21 17:15	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:48	04/27/21 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*04/26/21 14:48*	*04/27/21 17:15*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/26/21 14:48*	*04/27/21 17:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**510**		4.98		mg/Kg			04/30/21 20:06	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-63

Lab Sample ID: 880-1584-63
Matrix: Solid
Date Collected: 04/19/21 09:28
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/28/21 10:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/28/21 10:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/28/21 10:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/21 15:20	04/28/21 10:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/28/21 10:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/21 15:20	04/28/21 10:02	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/26/21 15:20	04/28/21 10:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*04/26/21 15:20*	*04/28/21 10:02*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 15:20*	*04/28/21 10:02*	*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		04/26/21 14:48	04/27/21 17:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:48	04/27/21 17:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:48	04/27/21 17:36	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:48	04/27/21 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/26/21 14:48*	*04/27/21 17:36*	*1*
o-Terphenyl	*94*		*70 - 130*	*04/26/21 14:48*	*04/27/21 17:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1220**		5.00		mg/Kg			04/30/21 20:12	1

Client Sample ID: C-64

Lab Sample ID: 880-1584-64
Matrix: Solid
Date Collected: 04/19/21 09:29
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F2 *- F1	0.00202		mg/Kg		04/26/21 15:24	04/29/21 01:06	1
Toluene	<0.00202	U F2 F1	0.00202		mg/Kg		04/26/21 15:24	04/29/21 01:06	1
Ethylbenzene	<0.00202	U F2 F1	0.00202		mg/Kg		04/26/21 15:24	04/29/21 01:06	1
m-Xylene & p-Xylene	<0.00403	U F2 F1	0.00403		mg/Kg		04/26/21 15:24	04/29/21 01:06	1
o-Xylene	<0.00202	U F2 F1	0.00202		mg/Kg		04/26/21 15:24	04/29/21 01:06	1
Xylenes, Total	<0.00403	U F2 F1	0.00403		mg/Kg		04/26/21 15:24	04/29/21 01:06	1
Total BTEX	<0.00403	U F2 F1	0.00403		mg/Kg		04/26/21 15:24	04/29/21 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/26/21 15:24*	*04/29/21 01:06*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/26/21 15:24*	*04/29/21 01:06*	*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		04/26/21 14:48	04/27/21 17:57	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-64

Lab Sample ID: 880-1584-64
Matrix: Solid
Date Collected: 04/19/21 09:29
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 14:48	04/27/21 17:57	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 14:48	04/27/21 17:57	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 14:48	04/27/21 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/26/21 14:48*	*04/27/21 17:57*	*1*
o-Terphenyl	*87*		*70 - 130*	*04/26/21 14:48*	*04/27/21 17:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**512**		4.96		mg/Kg			04/30/21 20:29	1

Client Sample ID: C-65

Lab Sample ID: 880-1584-65
Matrix: Solid
Date Collected: 04/19/21 09:30
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		04/26/21 15:24	04/29/21 01:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 01:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 01:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/26/21 15:24	04/29/21 01:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 01:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/21 15:24	04/29/21 01:27	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/26/21 15:24	04/29/21 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/26/21 15:24*	*04/29/21 01:27*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/26/21 15:24*	*04/29/21 01:27*	*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		04/26/21 14:48	04/27/21 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:48	04/27/21 18:18	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:48	04/27/21 18:18	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:48	04/27/21 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*04/26/21 14:48*	*04/27/21 18:18*	*1*
o-Terphenyl	*73*		*70 - 130*	*04/26/21 14:48*	*04/27/21 18:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**673**		5.00		mg/Kg			04/30/21 20:34	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-66

Date Collected: 04/19/21 09:31
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-66
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00319**	***- B**	0.00199		mg/Kg		04/26/21 15:24	04/29/21 01:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:24	04/29/21 01:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:24	04/29/21 01:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:24	04/29/21 01:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:24	04/29/21 01:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:24	04/29/21 01:48	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:24	04/29/21 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/26/21 15:24*	*04/29/21 01:48*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/26/21 15:24*	*04/29/21 01:48*	*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	<50.1	U *+	50.1		mg/Kg		04/26/21 14:48	04/27/21 18:40	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/26/21 14:48	04/27/21 18:40	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/26/21 14:48	04/27/21 18:40	1
Total TPH	<50.1	U	50.1		mg/Kg		04/26/21 14:48	04/27/21 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*04/26/21 14:48*	*04/27/21 18:40*	*1*
o-Terphenyl	*81*		*70 - 130*	*04/26/21 14:48*	*04/27/21 18:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2400**		25.0		mg/Kg			04/30/21 20:40	5

Client Sample ID: C-67

Date Collected: 04/19/21 09:32
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-67
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		04/26/21 15:24	04/29/21 02:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 02:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 02:08	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/26/21 15:24	04/29/21 02:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 02:08	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/26/21 15:24	04/29/21 02:08	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/26/21 15:24	04/29/21 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/26/21 15:24*	*04/29/21 02:08*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/26/21 15:24*	*04/29/21 02:08*	*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		04/26/21 15:04	04/28/21 11:39	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-67

Lab Sample ID: 880-1584-67
Date Collected: 04/19/21 09:32
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		04/26/21 15:04	04/28/21 11:39	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 11:39	1
Total TPH	<49.9	U F1	49.9		mg/Kg		04/26/21 15:04	04/28/21 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*04/26/21 15:04*	*04/28/21 11:39*	*1*
o-Terphenyl	*129*		*70 - 130*	*04/26/21 15:04*	*04/28/21 11:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1180**		4.97		mg/Kg			04/30/21 20:45	1

Client Sample ID: C-68

Lab Sample ID: 880-1584-68
Date Collected: 04/19/21 09:33
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *-	0.00201		mg/Kg		04/26/21 15:24	04/29/21 02:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:24	04/29/21 02:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:24	04/29/21 02:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 15:24	04/29/21 02:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:24	04/29/21 02:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 15:24	04/29/21 02:29	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 15:24	04/29/21 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/26/21 15:24*	*04/29/21 02:29*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/26/21 15:24*	*04/29/21 02:29*	*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		04/26/21 15:04	04/28/21 12:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 12:43	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 12:43	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*04/26/21 15:04*	*04/28/21 12:43*	*1*
o-Terphenyl	*126*		*70 - 130*	*04/26/21 15:04*	*04/28/21 12:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**784**		4.99		mg/Kg			04/30/21 20:51	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-69

Date Collected: 04/19/21 09:34
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-69
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		04/26/21 15:24	04/29/21 02:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 02:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 02:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:24	04/29/21 02:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 02:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:24	04/29/21 02:49	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:24	04/29/21 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/26/21 15:24*	*04/29/21 02:49*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/26/21 15:24*	*04/29/21 02:49*	*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		04/26/21 15:04	04/28/21 13:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/26/21 15:04	04/28/21 13:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/26/21 15:04	04/28/21 13:04	1
Total TPH	<49.8	U	49.8		mg/Kg		04/26/21 15:04	04/28/21 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/26/21 15:04*	*04/28/21 13:04*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/26/21 15:04*	*04/28/21 13:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		4.95		mg/Kg			04/30/21 20:56	1

Client Sample ID: C-70

Date Collected: 04/19/21 09:35
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-70
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		04/26/21 15:24	04/29/21 03:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:24	04/29/21 03:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:24	04/29/21 03:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:24	04/29/21 03:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:24	04/29/21 03:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:24	04/29/21 03:10	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:24	04/29/21 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/26/21 15:24*	*04/29/21 03:10*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/26/21 15:24*	*04/29/21 03:10*	*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		04/26/21 15:04	04/28/21 14:27	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-70

Lab Sample ID: 880-1584-70
Matrix: Solid
Date Collected: 04/19/21 09:35
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 14:27	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 14:27	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/26/21 15:04*	*04/28/21 14:27*	*1*
o-Terphenyl	*125*		*70 - 130*	*04/26/21 15:04*	*04/28/21 14:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2080**		25.0		mg/Kg			04/30/21 21:02	5

Client Sample ID: C-71

Lab Sample ID: 880-1584-71
Matrix: Solid
Date Collected: 04/19/21 09:36
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *-	0.00202		mg/Kg		04/26/21 15:24	04/29/21 03:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:24	04/29/21 03:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:24	04/29/21 03:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 15:24	04/29/21 03:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:24	04/29/21 03:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 15:24	04/29/21 03:30	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 15:24	04/29/21 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/26/21 15:24*	*04/29/21 03:30*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/26/21 15:24*	*04/29/21 03:30*	*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		04/26/21 15:04	04/28/21 14:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 14:48	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 14:48	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*04/26/21 15:04*	*04/28/21 14:48*	*1*
o-Terphenyl	*126*		*70 - 130*	*04/26/21 15:04*	*04/28/21 14:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2100**		25.0		mg/Kg			04/30/21 20:42	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-72

Date Collected: 04/19/21 09:37
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-72
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		04/26/21 15:24	04/29/21 03:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:24	04/29/21 03:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:24	04/29/21 03:51	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 15:24	04/29/21 03:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:24	04/29/21 03:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 15:24	04/29/21 03:51	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 15:24	04/29/21 03:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/26/21 15:24*	*04/29/21 03:51*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/26/21 15:24*	*04/29/21 03:51*	*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		04/26/21 15:04	04/28/21 15:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 15:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 15:13	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*04/26/21 15:04*	*04/28/21 15:13*	*1*
o-Terphenyl	*126*		*70 - 130*	*04/26/21 15:04*	*04/28/21 15:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2190		24.8		mg/Kg			04/30/21 20:58	5

Client Sample ID: C-73

Date Collected: 04/19/21 09:38
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-73
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		04/26/21 15:24	04/29/21 04:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:24	04/29/21 04:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:24	04/29/21 04:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 15:24	04/29/21 04:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:24	04/29/21 04:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 15:24	04/29/21 04:11	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 15:24	04/29/21 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/26/21 15:24*	*04/29/21 04:11*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/26/21 15:24*	*04/29/21 04:11*	*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		04/26/21 15:04	04/28/21 15:34	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-73 Lab Sample ID: 880-1584-73

Date Collected: 04/19/21 09:38 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 15:34	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 15:34	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*04/26/21 15:04*	*04/28/21 15:34*	*1*
o-Terphenyl	*120*		*70 - 130*	*04/26/21 15:04*	*04/28/21 15:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**342**		4.95		mg/Kg			04/30/21 21:03	1

Client Sample ID: C-74 Lab Sample ID: 880-1584-74

Date Collected: 04/19/21 09:39 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		04/26/21 15:24	04/29/21 05:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:24	04/29/21 05:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:24	04/29/21 05:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:24	04/29/21 05:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:24	04/29/21 05:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:24	04/29/21 05:34	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:24	04/29/21 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/26/21 15:24*	*04/29/21 05:34*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*04/26/21 15:24*	*04/29/21 05:34*	*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		04/26/21 15:04	04/28/21 15:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 15:55	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 15:55	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/26/21 15:04*	*04/28/21 15:55*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/26/21 15:04*	*04/28/21 15:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**342**		5.04		mg/Kg			04/30/21 21:08	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-75 Lab Sample ID: 880-1584-75

Date Collected: 04/19/21 09:40 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *-	0.00198		mg/Kg		04/26/21 15:24	04/29/21 05:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 05:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 05:55	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/26/21 15:24	04/29/21 05:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 05:55	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/26/21 15:24	04/29/21 05:55	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/26/21 15:24	04/29/21 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/26/21 15:24*	*04/29/21 05:55*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/26/21 15:24*	*04/29/21 05:55*	*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		04/26/21 15:04	04/28/21 16:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 16:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 16:16	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/26/21 15:04*	*04/28/21 16:16*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/26/21 15:04*	*04/28/21 16:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	493		5.02		mg/Kg			04/30/21 21:14	1

Client Sample ID: C-76 Lab Sample ID: 880-1584-76

Date Collected: 04/19/21 09:41 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *-	0.00198		mg/Kg		04/26/21 15:24	04/29/21 06:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 06:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 06:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/26/21 15:24	04/29/21 06:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 06:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/26/21 15:24	04/29/21 06:15	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/26/21 15:24	04/29/21 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/26/21 15:24*	*04/29/21 06:15*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*04/26/21 15:24*	*04/29/21 06:15*	*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		04/26/21 15:04	04/28/21 16:37	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-76
Lab Sample ID: 880-1584-76
Date Collected: 04/19/21 09:41
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 16:37	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 16:37	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*04/26/21 15:04*	*04/28/21 16:37*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*04/26/21 15:04*	*04/28/21 16:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1040**		5.02		mg/Kg			04/30/21 21:30	1

Client Sample ID: C-77
Lab Sample ID: 880-1584-77
Date Collected: 04/19/21 09:42
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		04/26/21 15:24	04/29/21 06:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 06:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 06:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:24	04/29/21 06:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 06:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:24	04/29/21 06:36	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:24	04/29/21 06:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*04/26/21 15:24*	*04/29/21 06:36*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/26/21 15:24*	*04/29/21 06:36*	*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		04/26/21 15:04	04/28/21 17:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 17:19	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 17:19	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/26/21 15:04*	*04/28/21 17:19*	*1*
o-Terphenyl	*123*		*70 - 130*	*04/26/21 15:04*	*04/28/21 17:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1640**		24.9		mg/Kg			04/30/21 21:35	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-78

Date Collected: 04/19/21 09:43
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-78
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		04/26/21 15:24	04/29/21 06:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 06:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 06:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/26/21 15:24	04/29/21 06:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 06:56	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/26/21 15:24	04/29/21 06:56	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/26/21 15:24	04/29/21 06:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/26/21 15:24*	*04/29/21 06:56*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/26/21 15:24*	*04/29/21 06:56*	*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		04/26/21 15:04	04/28/21 17:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 17:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 17:40	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/26/21 15:04*	*04/28/21 17:40*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/26/21 15:04*	*04/28/21 17:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1410**		25.2		mg/Kg			04/30/21 21:41	5

Client Sample ID: C-79

Date Collected: 04/19/21 09:44
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-79
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		04/26/21 15:24	04/29/21 07:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 07:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 07:17	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/26/21 15:24	04/29/21 07:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 07:17	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/26/21 15:24	04/29/21 07:17	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/26/21 15:24	04/29/21 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/26/21 15:24*	*04/29/21 07:17*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*04/26/21 15:24*	*04/29/21 07:17*	*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		04/26/21 15:04	04/28/21 18:01	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-79 Lab Sample ID: 880-1584-79

Date Collected: 04/19/21 09:44 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 18:01	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 18:01	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*04/26/21 15:04*	*04/28/21 18:01*	*1*
o-Terphenyl	*122*		*70 - 130*	*04/26/21 15:04*	*04/28/21 18:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**501**		4.98		mg/Kg			04/30/21 21:46	1

Client Sample ID: C-80 Lab Sample ID: 880-1584-80

Date Collected: 04/19/21 09:45 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *-	0.00198		mg/Kg		04/26/21 15:24	04/29/21 07:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 07:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 07:38	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/26/21 15:24	04/29/21 07:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:24	04/29/21 07:38	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/26/21 15:24	04/29/21 07:38	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/26/21 15:24	04/29/21 07:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/26/21 15:24*	*04/29/21 07:38*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/26/21 15:24*	*04/29/21 07:38*	*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		04/26/21 15:04	04/28/21 18:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 18:22	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 18:22	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*04/26/21 15:04*	*04/28/21 18:22*	*1*
o-Terphenyl	*124*		*70 - 130*	*04/26/21 15:04*	*04/28/21 18:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**364**		4.98		mg/Kg			04/30/21 21:51	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-81

Date Collected: 04/20/21 12:00
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-81
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		04/26/21 15:24	04/29/21 07:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:24	04/29/21 07:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:24	04/29/21 07:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:24	04/29/21 07:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:24	04/29/21 07:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:24	04/29/21 07:58	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:24	04/29/21 07:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*221*	*S1+*	*70 - 130*	*04/26/21 15:24*	*04/29/21 07:58*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/26/21 15:24*	*04/29/21 07:58*	*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		04/26/21 15:04	04/28/21 18:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 18:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 18:43	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/26/21 15:04*	*04/28/21 18:43*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*04/26/21 15:04*	*04/28/21 18:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**447**	**F1**	5.05		mg/Kg			04/30/21 21:57	1

Client Sample ID: C-82

Date Collected: 04/20/21 12:01
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-82
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		04/26/21 15:24	04/29/21 08:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:24	04/29/21 08:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:24	04/29/21 08:19	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 15:24	04/29/21 08:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:24	04/29/21 08:19	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 15:24	04/29/21 08:19	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 15:24	04/29/21 08:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/26/21 15:24*	*04/29/21 08:19*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/26/21 15:24*	*04/29/21 08:19*	*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		04/26/21 15:04	04/28/21 19:04	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-82 Lab Sample ID: 880-1584-82

Date Collected: 04/20/21 12:01 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 19:04	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 19:04	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/26/21 15:04*	*04/28/21 19:04*	*1*
o-Terphenyl	*121*		*70 - 130*	*04/26/21 15:04*	*04/28/21 19:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1390**		4.98		mg/Kg			04/30/21 22:13	1

Client Sample ID: C-83 Lab Sample ID: 880-1584-83

Date Collected: 04/20/21 12:02 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		04/26/21 15:24	04/29/21 08:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 08:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 08:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/26/21 15:24	04/29/21 08:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 08:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/21 15:24	04/29/21 08:39	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/26/21 15:24	04/29/21 08:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/26/21 15:24*	*04/29/21 08:39*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*04/26/21 15:24*	*04/29/21 08:39*	*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		04/26/21 15:04	04/28/21 19:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 19:25	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 19:25	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*04/26/21 15:04*	*04/28/21 19:25*	*1*
o-Terphenyl	*123*		*70 - 130*	*04/26/21 15:04*	*04/28/21 19:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1110**		5.00		mg/Kg			04/30/21 22:18	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-84 Lab Sample ID: 880-1584-84

Date Collected: 04/20/21 12:03 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 15:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 15:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 15:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 15:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 15:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 15:12	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*04/26/21 15:30*	*04/27/21 15:12*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*04/26/21 15:30*	*04/27/21 15:12*	*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		04/26/21 15:04	04/28/21 19:46	1
Diesel Range Organics (Over C10-C28)	**71.3**		49.9		mg/Kg		04/26/21 15:04	04/28/21 19:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:04	04/28/21 19:46	1
Total TPH	**71.3**		49.9		mg/Kg		04/26/21 15:04	04/28/21 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*04/26/21 15:04*	*04/28/21 19:46*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/26/21 15:04*	*04/28/21 19:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1490**		24.8		mg/Kg			04/30/21 22:34	5

Client Sample ID: C-85 Lab Sample ID: 880-1584-85

Date Collected: 04/20/21 12:04 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 15:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 15:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 15:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 15:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 15:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 15:33	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/26/21 15:30*	*04/27/21 15:33*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*04/26/21 15:30*	*04/27/21 15:33*	*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		04/26/21 15:04	04/28/21 20:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-85
Lab Sample ID: 880-1584-85
Date Collected: 04/20/21 12:04
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 20:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 20:07	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/26/21 15:04*	*04/28/21 20:07*	*1*
o-Terphenyl	*121*		*70 - 130*	*04/26/21 15:04*	*04/28/21 20:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**713**		5.00		mg/Kg			04/30/21 22:40	1

Client Sample ID: C-86
Lab Sample ID: 880-1584-86
Date Collected: 04/20/21 12:05
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:30	04/27/21 15:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:30	04/27/21 15:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:30	04/27/21 15:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/26/21 15:30	04/27/21 15:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:30	04/27/21 15:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/26/21 15:30	04/27/21 15:53	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/26/21 15:30	04/27/21 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*04/26/21 15:30*	*04/27/21 15:53*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/26/21 15:30*	*04/27/21 15:53*	*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	<50.1	U	50.1		mg/Kg		04/26/21 15:04	04/28/21 20:28	1
Diesel Range Organics (Over C10-C28)	**54.9**		50.1		mg/Kg		04/26/21 15:04	04/28/21 20:28	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/26/21 15:04	04/28/21 20:28	1
Total TPH	**54.9**		50.1		mg/Kg		04/26/21 15:04	04/28/21 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/26/21 15:04*	*04/28/21 20:28*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/26/21 15:04*	*04/28/21 20:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**330**		5.00		mg/Kg			04/30/21 22:45	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-91 Lab Sample ID: 880-1584-91

Date Collected: 04/20/21 12:10 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 16:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 16:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 16:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/21 15:30	04/27/21 16:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 16:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/21 15:30	04/27/21 16:14	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/26/21 15:30	04/27/21 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/26/21 15:30*	*04/27/21 16:14*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*04/26/21 15:30*	*04/27/21 16:14*	*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		04/26/21 15:19	04/29/21 10:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 10:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 10:53	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/26/21 15:19*	*04/29/21 10:53*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/26/21 15:19*	*04/29/21 10:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		4.97		mg/Kg			04/30/21 22:51	1

Client Sample ID: C-92 Lab Sample ID: 880-1584-92

Date Collected: 04/20/21 12:11 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 16:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 16:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 16:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/26/21 15:30	04/27/21 16:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 16:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/21 15:30	04/27/21 16:35	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/26/21 15:30	04/27/21 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/26/21 15:30*	*04/27/21 16:35*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*04/26/21 15:30*	*04/27/21 16:35*	*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		04/26/21 15:19	04/29/21 11:56	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-92

Lab Sample ID: 880-1584-92
Matrix: Solid
Date Collected: 04/20/21 12:11
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 11:56	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 11:56	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/26/21 15:19*	*04/29/21 11:56*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/26/21 15:19*	*04/29/21 11:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**183**		4.99		mg/Kg			04/30/21 22:56	1

Client Sample ID: C-93

Lab Sample ID: 880-1584-93
Matrix: Solid
Date Collected: 04/20/21 12:12
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00216**		0.00202		mg/Kg		04/26/21 15:30	04/27/21 16:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 16:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 16:55	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 15:30	04/27/21 16:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 16:55	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 15:30	04/27/21 16:55	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 15:30	04/27/21 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/26/21 15:30*	*04/27/21 16:55*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/26/21 15:30*	*04/27/21 16:55*	*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		04/26/21 15:19	04/29/21 12:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/26/21 15:19	04/29/21 12:17	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/26/21 15:19	04/29/21 12:17	1
Total TPH	<49.8	U	49.8		mg/Kg		04/26/21 15:19	04/29/21 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/26/21 15:19*	*04/29/21 12:17*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/26/21 15:19*	*04/29/21 12:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**157**		4.95		mg/Kg			04/30/21 23:01	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-94 Lab Sample ID: 880-1584-94

Date Collected: 04/20/21 12:13 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00317**		0.00201		mg/Kg		04/26/21 15:30	04/27/21 17:16	1
Toluene	**0.0106**		0.00201		mg/Kg		04/26/21 15:30	04/27/21 17:16	1
Ethylbenzene	**0.00533**		0.00201		mg/Kg		04/26/21 15:30	04/27/21 17:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 15:30	04/27/21 17:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:30	04/27/21 17:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 15:30	04/27/21 17:16	1
Total BTEX	**0.0191**		0.00402		mg/Kg		04/26/21 15:30	04/27/21 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*428*	*S1+*	*70 - 130*	*04/26/21 15:30*	*04/27/21 17:16*	*1*
1,4-Difluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*04/26/21 15:30*	*04/27/21 17:16*	*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		04/26/21 15:19	04/29/21 12:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 12:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 12:38	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/26/21 15:19*	*04/29/21 12:38*	*1*
o-Terphenyl	*101*		*70 - 130*	*04/26/21 15:19*	*04/29/21 12:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**204**		5.00		mg/Kg			04/30/21 23:07	1

Client Sample ID: C-98 Lab Sample ID: 880-1584-98

Date Collected: 04/20/21 12:17 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 17:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 17:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 17:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/26/21 15:30	04/27/21 17:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 17:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/21 15:30	04/27/21 17:36	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/26/21 15:30	04/27/21 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/26/21 15:30*	*04/27/21 17:36*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/26/21 15:30*	*04/27/21 17:36*	*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		04/26/21 15:19	04/29/21 12:59	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-98 Lab Sample ID: 880-1584-98

Date Collected: 04/20/21 12:17 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 12:59	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 12:59	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/26/21 15:19*	*04/29/21 12:59*	*1*
o-Terphenyl	*100*		*70 - 130*	*04/26/21 15:19*	*04/29/21 12:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**154**	**F1**	5.00		mg/Kg			04/30/21 17:33	1

Client Sample ID: C-99 Lab Sample ID: 880-1584-99

Date Collected: 04/20/21 12:18 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 17:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 17:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 17:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/26/21 15:30	04/27/21 17:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 17:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/26/21 15:30	04/27/21 17:57	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/26/21 15:30	04/27/21 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*04/26/21 15:30*	*04/27/21 17:57*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*04/26/21 15:30*	*04/27/21 17:57*	*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		04/26/21 15:19	04/29/21 13:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 13:20	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 13:20	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/26/21 15:19*	*04/29/21 13:20*	*1*
o-Terphenyl	*101*		*70 - 130*	*04/26/21 15:19*	*04/29/21 13:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**147**		5.02		mg/Kg			04/30/21 17:49	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-100

Date Collected: 04/20/21 12:19
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-100
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00784**		0.00200		mg/Kg		04/26/21 15:30	04/27/21 18:18	1
Toluene	**0.00282**		0.00200		mg/Kg		04/26/21 15:30	04/27/21 18:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 18:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:30	04/27/21 18:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 18:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:30	04/27/21 18:18	1
Total BTEX	**0.0107**		0.00400		mg/Kg		04/26/21 15:30	04/27/21 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*255*	*S1+*	*70 - 130*	*04/26/21 15:30*	*04/27/21 18:18*	*1*
1,4-Difluorobenzene (Surr)	*169*	*S1+*	*70 - 130*	*04/26/21 15:30*	*04/27/21 18:18*	*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		04/26/21 15:19	04/29/21 13:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 13:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 13:41	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/26/21 15:19*	*04/29/21 13:41*	*1*
o-Terphenyl	*101*		*70 - 130*	*04/26/21 15:19*	*04/29/21 13:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**100**		5.00		mg/Kg			04/30/21 17:55	1

Client Sample ID: C-101

Date Collected: 04/20/21 12:20
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-101
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		04/26/21 15:30	04/27/21 19:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 19:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 19:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 19:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 19:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 19:40	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/26/21 15:30*	*04/27/21 19:40*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/26/21 15:30*	*04/27/21 19:40*	*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		04/26/21 15:19	04/29/21 14:02	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-101

Date Collected: 04/20/21 12:20
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-101
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 14:02	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 14:02	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/26/21 15:19*	*04/29/21 14:02*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/26/21 15:19*	*04/29/21 14:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**202**		4.95		mg/Kg			04/30/21 18:00	1

Client Sample ID: C-102

Date Collected: 04/20/21 12:21
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-102
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00203**		0.00202		mg/Kg		04/26/21 15:30	04/27/21 20:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 20:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 20:01	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 15:30	04/27/21 20:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 20:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 15:30	04/27/21 20:01	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 15:30	04/27/21 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*04/26/21 15:30*	*04/27/21 20:01*	*1*
1,4-Difluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*04/26/21 15:30*	*04/27/21 20:01*	*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		04/26/21 15:19	04/29/21 14:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 14:23	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 14:23	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/26/21 15:19*	*04/29/21 14:23*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/26/21 15:19*	*04/29/21 14:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**159**		4.97		mg/Kg			04/30/21 18:06	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-103

Date Collected: 04/20/21 12:22
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-103
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00213**		0.00200		mg/Kg		04/26/21 15:30	04/27/21 20:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 20:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 20:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/26/21 15:30	04/27/21 20:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 20:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/21 15:30	04/27/21 20:21	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/26/21 15:30	04/27/21 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/26/21 15:30*	*04/27/21 20:21*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/26/21 15:30*	*04/27/21 20:21*	*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		04/26/21 15:19	04/29/21 14:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 14:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 14:44	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/26/21 15:19*	*04/29/21 14:44*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/26/21 15:19*	*04/29/21 14:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**776**		4.95		mg/Kg			04/30/21 18:22	1

Client Sample ID: C-104

Date Collected: 04/20/21 12:23
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-104
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		04/26/21 15:30	04/27/21 20:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 20:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 20:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 15:30	04/27/21 20:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 20:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 15:30	04/27/21 20:42	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 15:30	04/27/21 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*04/26/21 15:30*	*04/27/21 20:42*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/26/21 15:30*	*04/27/21 20:42*	*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		04/26/21 15:19	04/29/21 15:26	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-104

Lab Sample ID: 880-1584-104
Matrix: Solid
Date Collected: 04/20/21 12:23
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 15:26	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 15:26	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/26/21 15:19*	*04/29/21 15:26*	*1*
o-Terphenyl	*108*		*70 - 130*	*04/26/21 15:19*	*04/29/21 15:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2380**		24.8		mg/Kg			04/30/21 18:27	5

Client Sample ID: C-105

Lab Sample ID: 880-1584-105
Matrix: Solid
Date Collected: 04/20/21 12:24
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:30	04/27/21 21:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:30	04/27/21 21:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:30	04/27/21 21:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 15:30	04/27/21 21:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:30	04/27/21 21:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 15:30	04/27/21 21:03	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 15:30	04/27/21 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/26/21 15:30*	*04/27/21 21:03*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/26/21 15:30*	*04/27/21 21:03*	*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		04/26/21 15:19	04/29/21 15:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 15:46	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 15:46	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/26/21 15:19*	*04/29/21 15:46*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/26/21 15:19*	*04/29/21 15:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2360**		25.2		mg/Kg			04/30/21 18:32	5

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-106 Lab Sample ID: 880-1584-106

Date Collected: 04/20/21 12:25 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 21:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 21:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 21:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/21 15:30	04/27/21 21:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 21:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/21 15:30	04/27/21 21:23	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/26/21 15:30	04/27/21 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/26/21 15:30*	*04/27/21 21:23*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/26/21 15:30*	*04/27/21 21:23*	*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		04/26/21 15:19	04/29/21 16:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 16:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 16:08	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*04/26/21 15:19*	*04/29/21 16:08*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/26/21 15:19*	*04/29/21 16:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	497		4.98		mg/Kg			04/30/21 18:38	1

Client Sample ID: C-107 Lab Sample ID: 880-1584-107

Date Collected: 04/20/21 12:26 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 21:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 21:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 21:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 21:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 21:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 21:44	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/26/21 15:30*	*04/27/21 21:44*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*04/26/21 15:30*	*04/27/21 21:44*	*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		04/26/21 15:19	04/29/21 16:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-107
Lab Sample ID: 880-1584-107
Date Collected: 04/20/21 12:26
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 16:29	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 16:29	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/26/21 15:19*	*04/29/21 16:29*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/26/21 15:19*	*04/29/21 16:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**596**		5.03		mg/Kg			04/30/21 18:43	1

Client Sample ID: C-108
Lab Sample ID: 880-1584-108
Date Collected: 04/20/21 12:27
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 22:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 22:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 22:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:30	04/27/21 22:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:30	04/27/21 22:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:30	04/27/21 22:05	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:30	04/27/21 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/26/21 15:30*	*04/27/21 22:05*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/26/21 15:30*	*04/27/21 22:05*	*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		04/26/21 15:19	04/29/21 16:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 16:50	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 16:50	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/26/21 15:19*	*04/29/21 16:50*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/26/21 15:19*	*04/29/21 16:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**558**	**F1**	5.00		mg/Kg			04/30/21 18:49	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-109
Lab Sample ID: 880-1584-109
Date Collected: 04/20/21 12:28
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 22:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 22:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 22:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 22:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:30	04/27/21 22:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 22:25	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:30	04/27/21 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*04/26/21 15:30*	*04/27/21 22:25*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/26/21 15:30*	*04/27/21 22:25*	*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		04/26/21 15:19	04/29/21 17:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 17:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 17:11	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*04/26/21 15:19*	*04/29/21 17:11*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/26/21 15:19*	*04/29/21 17:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**513**		4.95		mg/Kg			04/30/21 19:05	1

Client Sample ID: C-110
Lab Sample ID: 880-1584-110
Date Collected: 04/20/21 12:29
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 22:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 22:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 22:46	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 15:30	04/27/21 22:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:30	04/27/21 22:46	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 15:30	04/27/21 22:46	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 15:30	04/27/21 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/26/21 15:30*	*04/27/21 22:46*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/26/21 15:30*	*04/27/21 22:46*	*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		04/26/21 15:19	04/29/21 17:32	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-110
Lab Sample ID: 880-1584-110
Date Collected: 04/20/21 12:29
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 17:32	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 17:32	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*04/26/21 15:19*	*04/29/21 17:32*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/26/21 15:19*	*04/29/21 17:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1130**		4.98		mg/Kg			04/30/21 19:10	1

Client Sample ID: C-111
Lab Sample ID: 880-1584-111
Date Collected: 04/20/21 12:30
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		04/26/21 15:34	04/28/21 02:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 02:12	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		04/26/21 15:34	04/28/21 02:12	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		04/26/21 15:34	04/28/21 02:12	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		04/26/21 15:34	04/28/21 02:12	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		04/26/21 15:34	04/28/21 02:12	1
Total BTEX	<0.00398	U F1	0.00398		mg/Kg		04/26/21 15:34	04/28/21 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/26/21 15:34*	*04/28/21 02:12*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*04/26/21 15:34*	*04/28/21 02:12*	*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		04/26/21 15:19	04/29/21 17:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 17:53	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 17:53	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 15:19	04/29/21 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/26/21 15:19*	*04/29/21 17:53*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/26/21 15:19*	*04/29/21 17:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**544**		5.05		mg/Kg			04/30/21 19:26	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-112
Lab Sample ID: 880-1584-112
Date Collected: 04/20/21 12:31
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 02:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 02:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 02:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:34	04/28/21 02:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 02:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:34	04/28/21 02:33	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:34	04/28/21 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/26/21 15:34*	*04/28/21 02:33*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/26/21 15:34*	*04/28/21 02:33*	*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		04/26/21 15:19	04/29/21 18:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 18:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 18:15	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*04/26/21 15:19*	*04/29/21 18:15*	*1*
o-Terphenyl	*97*		*70 - 130*	*04/26/21 15:19*	*04/29/21 18:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**360**		4.99		mg/Kg			04/30/21 19:32	1

Client Sample ID: C-113
Lab Sample ID: 880-1584-113
Date Collected: 04/20/21 12:32
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00203**		0.00202		mg/Kg		04/26/21 15:34	04/28/21 02:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 02:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 02:54	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 15:34	04/28/21 02:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 02:54	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 15:34	04/28/21 02:54	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 15:34	04/28/21 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/26/21 15:34*	*04/28/21 02:54*	*1*
1,4-Difluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*04/26/21 15:34*	*04/28/21 02:54*	*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	<50.1	U	50.1		mg/Kg		04/26/21 15:19	04/29/21 18:36	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-113

Lab Sample ID: 880-1584-113
Matrix: Solid
Date Collected: 04/20/21 12:32
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/26/21 15:19	04/29/21 18:36	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/26/21 15:19	04/29/21 18:36	1
Total TPH	<50.1	U	50.1		mg/Kg		04/26/21 15:19	04/29/21 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/26/21 15:19*	*04/29/21 18:36*	*1*
o-Terphenyl	*97*		*70 - 130*	*04/26/21 15:19*	*04/29/21 18:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**409**		4.98		mg/Kg			04/30/21 19:37	1

Client Sample ID: C-114

Lab Sample ID: 880-1584-114
Matrix: Solid
Date Collected: 04/20/21 12:33
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 03:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 03:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 03:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/26/21 15:34	04/28/21 03:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 03:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/26/21 15:34	04/28/21 03:15	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/26/21 15:34	04/28/21 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*04/26/21 15:34*	*04/28/21 03:15*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/26/21 15:34*	*04/28/21 03:15*	*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		04/27/21 08:49	04/29/21 10:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U F2	49.9		mg/Kg		04/27/21 08:49	04/29/21 10:53	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 10:53	1
Total TPH	<49.9	U F2	49.9		mg/Kg		04/27/21 08:49	04/29/21 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*04/27/21 08:49*	*04/29/21 10:53*	*1*
o-Terphenyl	*84*		*70 - 130*	*04/27/21 08:49*	*04/29/21 10:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		4.96		mg/Kg			04/30/21 19:42	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-115 Lab Sample ID: 880-1584-115

Date Collected: 04/20/21 12:34 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 03:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 03:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 03:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/21 15:34	04/28/21 03:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 03:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/21 15:34	04/28/21 03:35	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/26/21 15:34	04/28/21 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/26/21 15:34*	*04/28/21 03:35*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/26/21 15:34*	*04/28/21 03:35*	*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		04/27/21 08:49	04/29/21 11:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 11:56	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 11:56	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/27/21 08:49*	*04/29/21 11:56*	*1*
o-Terphenyl	*83*		*70 - 130*	*04/27/21 08:49*	*04/29/21 11:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	379		4.97		mg/Kg			04/30/21 19:48	1

Client Sample ID: C-116 Lab Sample ID: 880-1584-116

Date Collected: 04/20/21 12:35 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 03:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 03:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 03:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/21 15:34	04/28/21 03:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 03:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/21 15:34	04/28/21 03:56	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/26/21 15:34	04/28/21 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/26/21 15:34*	*04/28/21 03:56*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/26/21 15:34*	*04/28/21 03:56*	*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		04/27/21 08:49	04/29/21 12:17	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-116
Lab Sample ID: 880-1584-116
Date Collected: 04/20/21 12:35
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/27/21 08:49	04/29/21 12:17	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/21 08:49	04/29/21 12:17	1
Total TPH	<49.8	U	49.8		mg/Kg		04/27/21 08:49	04/29/21 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/27/21 08:49*	*04/29/21 12:17*	*1*
o-Terphenyl	*100*		*70 - 130*	*04/27/21 08:49*	*04/29/21 12:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**320**		5.00		mg/Kg			04/30/21 19:53	1

Client Sample ID: C-117
Lab Sample ID: 880-1584-117
Date Collected: 04/20/21 12:36
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 04:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 04:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 04:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/21 15:34	04/28/21 04:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 04:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/21 15:34	04/28/21 04:17	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/26/21 15:34	04/28/21 04:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/26/21 15:34*	*04/28/21 04:17*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*04/26/21 15:34*	*04/28/21 04:17*	*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		04/27/21 08:49	04/29/21 12:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 12:38	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 12:38	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*04/27/21 08:49*	*04/29/21 12:38*	*1*
o-Terphenyl	*81*		*70 - 130*	*04/27/21 08:49*	*04/29/21 12:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**191**		5.00		mg/Kg			04/30/21 19:58	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-118

Lab Sample ID: 880-1584-118
Matrix: Solid
Date Collected: 04/20/21 12:37
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 04:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 04:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 04:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:34	04/28/21 04:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 04:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:34	04/28/21 04:37	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:34	04/28/21 04:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/26/21 15:34*	*04/28/21 04:37*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*04/26/21 15:34*	*04/28/21 04:37*	*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		04/27/21 08:49	04/29/21 12:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 12:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 12:59	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*04/27/21 08:49*	*04/29/21 12:59*	*1*
o-Terphenyl	*82*		*70 - 130*	*04/27/21 08:49*	*04/29/21 12:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**306**	**F1**	5.00		mg/Kg			04/30/21 23:50	1

Client Sample ID: C-119

Lab Sample ID: 880-1584-119
Matrix: Solid
Date Collected: 04/20/21 12:38
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:34	04/28/21 04:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:34	04/28/21 04:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:34	04/28/21 04:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/26/21 15:34	04/28/21 04:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:34	04/28/21 04:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/26/21 15:34	04/28/21 04:58	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/26/21 15:34	04/28/21 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/26/21 15:34*	*04/28/21 04:58*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*04/26/21 15:34*	*04/28/21 04:58*	*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		04/27/21 08:49	04/29/21 13:20	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-119

Date Collected: 04/20/21 12:38
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-119
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 13:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 13:20	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*04/27/21 08:49*	*04/29/21 13:20*	*1*
o-Terphenyl	*85*		*70 - 130*	*04/27/21 08:49*	*04/29/21 13:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.3**		5.04		mg/Kg			05/01/21 00:06	1

Client Sample ID: C-120

Date Collected: 04/20/21 12:39
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-120
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		04/26/21 15:34	04/28/21 05:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 05:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 05:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:34	04/28/21 05:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 05:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:34	04/28/21 05:19	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:34	04/28/21 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/26/21 15:34*	*04/28/21 05:19*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*04/26/21 15:34*	*04/28/21 05:19*	*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		04/27/21 08:49	04/29/21 13:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 13:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 13:41	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*04/27/21 08:49*	*04/29/21 13:41*	*1*
o-Terphenyl	*87*		*70 - 130*	*04/27/21 08:49*	*04/29/21 13:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.7**		5.05		mg/Kg			05/01/21 00:11	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-121 Lab Sample ID: 880-1584-121

Date Collected: 04/20/21 12:40 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:34	04/28/21 06:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:34	04/28/21 06:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:34	04/28/21 06:42	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/26/21 15:34	04/28/21 06:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:34	04/28/21 06:42	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/26/21 15:34	04/28/21 06:42	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/26/21 15:34	04/28/21 06:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/26/21 15:34*	*04/28/21 06:42*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*04/26/21 15:34*	*04/28/21 06:42*	*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		04/27/21 08:49	04/29/21 14:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 14:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 14:02	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/27/21 08:49*	*04/29/21 14:02*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/27/21 08:49*	*04/29/21 14:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	233		5.02		mg/Kg			05/01/21 00:17	1

Client Sample ID: C-122 Lab Sample ID: 880-1584-122

Date Collected: 04/20/21 12:41 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 07:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 07:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 07:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 15:34	04/28/21 07:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 07:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 15:34	04/28/21 07:03	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 15:34	04/28/21 07:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/26/21 15:34*	*04/28/21 07:03*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*04/26/21 15:34*	*04/28/21 07:03*	*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		04/27/21 08:49	04/29/21 14:23	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-122
Lab Sample ID: 880-1584-122
Date Collected: 04/20/21 12:41
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 14:23	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 14:23	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*04/27/21 08:49*	*04/29/21 14:23*	*1*
o-Terphenyl	*88*		*70 - 130*	*04/27/21 08:49*	*04/29/21 14:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**268**		4.99		mg/Kg			05/01/21 00:22	1

Client Sample ID: C-123
Lab Sample ID: 880-1584-123
Date Collected: 04/20/21 12:42
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:34	04/28/21 07:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:34	04/28/21 07:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:34	04/28/21 07:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 15:34	04/28/21 07:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:34	04/28/21 07:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 15:34	04/28/21 07:24	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 15:34	04/28/21 07:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/26/21 15:34*	*04/28/21 07:24*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*04/26/21 15:34*	*04/28/21 07:24*	*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		04/27/21 08:49	04/29/21 14:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 14:44	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 14:44	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*04/27/21 08:49*	*04/29/21 14:44*	*1*
o-Terphenyl	*87*		*70 - 130*	*04/27/21 08:49*	*04/29/21 14:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**487**		4.97		mg/Kg			05/01/21 00:38	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-124
Lab Sample ID: 880-1584-124
Date Collected: 04/20/21 12:43
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 07:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 07:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 07:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:34	04/28/21 07:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 07:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:34	04/28/21 07:45	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:34	04/28/21 07:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/26/21 15:34*	*04/28/21 07:45*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*04/26/21 15:34*	*04/28/21 07:45*	*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		04/27/21 08:49	04/29/21 15:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 15:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 15:26	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/27/21 08:49*	*04/29/21 15:26*	*1*
o-Terphenyl	*93*		*70 - 130*	*04/27/21 08:49*	*04/29/21 15:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**298**		4.95		mg/Kg			05/01/21 00:43	1

Client Sample ID: C-125
Lab Sample ID: 880-1584-125
Date Collected: 04/20/21 12:44
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:34	04/28/21 08:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:34	04/28/21 08:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:34	04/28/21 08:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 15:34	04/28/21 08:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 15:34	04/28/21 08:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 15:34	04/28/21 08:05	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 15:34	04/28/21 08:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*04/26/21 15:34*	*04/28/21 08:05*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*04/26/21 15:34*	*04/28/21 08:05*	*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		04/27/21 08:49	04/29/21 15:46	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-125
Lab Sample ID: 880-1584-125
Date Collected: 04/20/21 12:44
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 15:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 15:46	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/27/21 08:49*	*04/29/21 15:46*	*1*
o-Terphenyl	*93*		*70 - 130*	*04/27/21 08:49*	*04/29/21 15:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		4.95		mg/Kg			05/01/21 00:49	1

Client Sample ID: C-126
Lab Sample ID: 880-1584-126
Date Collected: 04/20/21 12:45
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 08:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 08:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 08:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:34	04/28/21 08:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 08:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:34	04/28/21 08:05	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:34	04/28/21 08:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*04/26/21 15:34*	*04/28/21 08:05*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*04/26/21 15:34*	*04/28/21 08:05*	*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		04/27/21 08:49	04/29/21 16:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 16:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 16:08	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/27/21 08:49*	*04/29/21 16:08*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/27/21 08:49*	*04/29/21 16:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		5.04		mg/Kg			05/01/21 00:54	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-127
Lab Sample ID: 880-1584-127
Date Collected: 04/20/21 12:46
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 08:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 08:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 08:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 15:34	04/28/21 08:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 15:34	04/28/21 08:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 15:34	04/28/21 08:47	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 15:34	04/28/21 08:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/26/21 15:34*	*04/28/21 08:47*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*04/26/21 15:34*	*04/28/21 08:47*	*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		04/27/21 08:49	04/29/21 16:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 16:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 16:29	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/29/21 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/27/21 08:49*	*04/29/21 16:29*	*1*
o-Terphenyl	*83*		*70 - 130*	*04/27/21 08:49*	*04/29/21 16:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**592**		5.03		mg/Kg			05/01/21 00:59	1

Client Sample ID: C-128
Lab Sample ID: 880-1584-128
Date Collected: 04/20/21 12:47
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:34	04/28/21 09:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:34	04/28/21 09:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:34	04/28/21 09:08	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/26/21 15:34	04/28/21 09:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 15:34	04/28/21 09:08	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/26/21 15:34	04/28/21 09:08	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/26/21 15:34	04/28/21 09:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/26/21 15:34*	*04/28/21 09:08*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*04/26/21 15:34*	*04/28/21 09:08*	*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	**52.2**		50.0		mg/Kg		04/27/21 08:49	04/29/21 16:50	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-128

Lab Sample ID: 880-1584-128
Matrix: Solid
Date Collected: 04/20/21 12:47
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 16:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 16:50	1
Total TPH	**52.2**		50.0		mg/Kg		04/27/21 08:49	04/29/21 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*04/27/21 08:49*	*04/29/21 16:50*	*1*
o-Terphenyl	*87*		*70 - 130*	*04/27/21 08:49*	*04/29/21 16:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**648**	**F1**	5.00		mg/Kg			05/01/21 01:05	1

Client Sample ID: C-129

Lab Sample ID: 880-1584-129
Matrix: Solid
Date Collected: 04/20/21 12:48
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 09:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 09:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 09:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 15:34	04/28/21 09:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 09:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 15:34	04/28/21 09:28	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 15:34	04/28/21 09:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/26/21 15:34*	*04/28/21 09:28*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*04/26/21 15:34*	*04/28/21 09:28*	*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		04/27/21 08:49	04/29/21 17:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 17:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 17:11	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/27/21 08:49*	*04/29/21 17:11*	*1*
o-Terphenyl	*95*		*70 - 130*	*04/27/21 08:49*	*04/29/21 17:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**340**		4.98		mg/Kg			05/01/21 01:21	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-130

Date Collected: 04/20/21 12:49
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-130

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		04/26/21 15:34	04/28/21 09:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 09:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 09:49	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/26/21 15:34	04/28/21 09:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 15:34	04/28/21 09:49	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/26/21 15:34	04/28/21 09:49	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/26/21 15:34	04/28/21 09:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/26/21 15:34*	*04/28/21 09:49*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*04/26/21 15:34*	*04/28/21 09:49*	*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		04/27/21 08:49	04/29/21 17:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 17:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 17:32	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*04/27/21 08:49*	*04/29/21 17:32*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*04/27/21 08:49*	*04/29/21 17:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**722**		4.96		mg/Kg			05/01/21 01:26	1

Client Sample ID: C-131

Date Collected: 04/20/21 12:50
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-131

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		04/27/21 10:20	04/27/21 18:14	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		04/27/21 10:20	04/27/21 18:14	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		04/27/21 10:20	04/27/21 18:14	1
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.00401		mg/Kg		04/27/21 10:20	04/27/21 18:14	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		04/27/21 10:20	04/27/21 18:14	1
Xylenes, Total	<0.00401	U F1 F2	0.00401		mg/Kg		04/27/21 10:20	04/27/21 18:14	1
Total BTEX	<0.00401	U F1 F2	0.00401		mg/Kg		04/27/21 10:20	04/27/21 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/27/21 10:20*	*04/27/21 18:14*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/27/21 10:20*	*04/27/21 18:14*	*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	**52.0**	***+ B**	49.9		mg/Kg		04/27/21 08:49	04/30/21 06:11	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-131 Lab Sample ID: 880-1584-131

Date Collected: 04/20/21 12:50 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/30/21 06:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 08:49	04/30/21 06:11	1
Total TPH	**52.0**	**B**	49.9		mg/Kg		04/27/21 08:49	04/30/21 06:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*04/27/21 08:49*	*04/30/21 06:11*	*1*
o-Terphenyl	*83*		*70 - 130*	*04/27/21 08:49*	*04/30/21 06:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1810**		25.0		mg/Kg			05/01/21 01:43	5

Client Sample ID: C-132 Lab Sample ID: 880-1584-132

Date Collected: 04/20/21 12:51 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 10:20	04/27/21 18:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 10:20	04/27/21 18:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 10:20	04/27/21 18:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/27/21 10:20	04/27/21 18:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 10:20	04/27/21 18:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/27/21 10:20	04/27/21 18:43	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/27/21 10:20	04/27/21 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/27/21 10:20*	*04/27/21 18:43*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/27/21 10:20*	*04/27/21 18:43*	*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		04/27/21 08:49	04/29/21 18:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 18:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 18:15	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/27/21 08:49*	*04/29/21 18:15*	*1*
o-Terphenyl	*86*		*70 - 130*	*04/27/21 08:49*	*04/29/21 18:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**776**		4.97		mg/Kg			05/01/21 01:48	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-133

Date Collected: 04/20/21 12:52
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-133

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		04/27/21 10:20	04/27/21 19:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 10:20	04/27/21 19:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 10:20	04/27/21 19:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 10:20	04/27/21 19:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 10:20	04/27/21 19:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 10:20	04/27/21 19:03	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 10:20	04/27/21 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/27/21 10:20*	*04/27/21 19:03*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/27/21 10:20*	*04/27/21 19:03*	*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	<50.1	U	50.1		mg/Kg		04/27/21 08:49	04/29/21 18:36	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/27/21 08:49	04/29/21 18:36	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/27/21 08:49	04/29/21 18:36	1
Total TPH	<50.1	U	50.1		mg/Kg		04/27/21 08:49	04/29/21 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*04/27/21 08:49*	*04/29/21 18:36*	*1*
o-Terphenyl	*79*		*70 - 130*	*04/27/21 08:49*	*04/29/21 18:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**545**		5.00		mg/Kg			05/01/21 01:53	1

Client Sample ID: C-134

Date Collected: 04/20/21 12:53
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-134

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		04/27/21 10:20	04/27/21 19:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/27/21 10:20	04/27/21 19:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/27/21 10:20	04/27/21 19:24	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/27/21 10:20	04/27/21 19:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/27/21 10:20	04/27/21 19:24	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/27/21 10:20	04/27/21 19:24	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/27/21 10:20	04/27/21 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/27/21 10:20*	*04/27/21 19:24*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/27/21 10:20*	*04/27/21 19:24*	*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		04/27/21 09:08	04/29/21 14:16	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-134

Lab Sample ID: 880-1584-134
Matrix: Solid
Date Collected: 04/20/21 12:53
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 14:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 14:16	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/27/21 09:08*	*04/29/21 14:16*	*1*
o-Terphenyl	*111*		*70 - 130*	*04/27/21 09:08*	*04/29/21 14:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1370**		5.01		mg/Kg			05/01/21 01:59	1

Client Sample ID: C-135

Lab Sample ID: 880-1584-135
Matrix: Solid
Date Collected: 04/20/21 12:54
Date Received: 04/26/21 10:04

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		04/28/21 09:49	04/28/21 17:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 17:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 17:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/21 09:49	04/28/21 17:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 17:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/21 09:49	04/28/21 17:27	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/28/21 09:49	04/28/21 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/28/21 09:49*	*04/28/21 17:27*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/28/21 09:49*	*04/28/21 17:27*	*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		04/27/21 09:08	04/29/21 15:20	1
Diesel Range Organics (Over C10-C28)	**58.9**		49.9		mg/Kg		04/27/21 09:08	04/29/21 15:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 15:20	1
Total TPH	**58.9**		49.9		mg/Kg		04/27/21 09:08	04/29/21 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*04/27/21 09:08*	*04/29/21 15:20*	*1*
o-Terphenyl	*113*		*70 - 130*	*04/27/21 09:08*	*04/29/21 15:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**177**		5.01		mg/Kg			05/01/21 02:04	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-136

Lab Sample ID: 880-1584-136
Matrix: Solid
Date Collected: 04/20/21 12:55
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 17:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 17:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 17:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 17:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 17:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 17:52	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*04/28/21 09:49*	*04/28/21 17:52*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*04/28/21 09:49*	*04/28/21 17:52*	*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	**56.5**		49.8		mg/Kg		04/27/21 09:08	04/29/21 15:42	1
Diesel Range Organics (Over C10-C28)	**5410**		49.8		mg/Kg		04/27/21 09:08	04/29/21 15:42	1
Oil Range Organics (Over C28-C36)	**573**		49.8		mg/Kg		04/27/21 09:08	04/29/21 15:42	1
Total TPH	**6040**		49.8		mg/Kg		04/27/21 09:08	04/29/21 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*04/27/21 09:08*	*04/29/21 15:42*	*1*
o-Terphenyl	*148*	*S1+*	*70 - 130*	*04/27/21 09:08*	*04/29/21 15:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1160**		5.03		mg/Kg			05/01/21 02:09	1

Client Sample ID: C-137

Lab Sample ID: 880-1584-137
Matrix: Solid
Date Collected: 04/20/21 12:56
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 18:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 18:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 18:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 18:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 18:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 18:18	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*04/28/21 09:49*	*04/28/21 18:18*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/28/21 09:49*	*04/28/21 18:18*	*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		04/27/21 09:08	04/29/21 16:03	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-137

Date Collected: 04/20/21 12:56
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-137

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	494		49.9		mg/Kg		04/27/21 09:08	04/29/21 16:03	1
Oil Range Organics (Over C28-C36)	61.4		49.9		mg/Kg		04/27/21 09:08	04/29/21 16:03	1
Total TPH	555		49.9		mg/Kg		04/27/21 09:08	04/29/21 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*04/27/21 09:08*	*04/29/21 16:03*	*1*
o-Terphenyl	*127*		*70 - 130*	*04/27/21 09:08*	*04/29/21 16:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		5.02		mg/Kg			05/01/21 02:15	1

Client Sample ID: C-138

Date Collected: 04/20/21 12:57
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-138

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		04/28/21 09:49	04/28/21 18:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 18:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 18:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/28/21 09:49	04/28/21 18:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 18:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/28/21 09:49	04/28/21 18:43	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/28/21 09:49	04/28/21 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*04/28/21 09:49*	*04/28/21 18:43*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/28/21 09:49*	*04/28/21 18:43*	*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		04/27/21 09:08	04/29/21 16:24	1
Diesel Range Organics (Over C10-C28)	734		50.0		mg/Kg		04/27/21 09:08	04/29/21 16:24	1
Oil Range Organics (Over C28-C36)	105		50.0		mg/Kg		04/27/21 09:08	04/29/21 16:24	1
Total TPH	839		50.0		mg/Kg		04/27/21 09:08	04/29/21 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*04/27/21 09:08*	*04/29/21 16:24*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*04/27/21 09:08*	*04/29/21 16:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	740	F1	5.02		mg/Kg			04/27/21 00:41	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-139 Lab Sample ID: 880-1584-139

Date Collected: 04/20/21 12:58 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 19:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 19:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 19:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 19:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 19:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 19:08	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*04/28/21 09:49*	*04/28/21 19:08*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/28/21 09:49*	*04/28/21 19:08*	*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		04/27/21 09:08	04/29/21 16:46	1
Diesel Range Organics (Over C10-C28)	**813**		50.0		mg/Kg		04/27/21 09:08	04/29/21 16:46	1
Oil Range Organics (Over C28-C36)	**84.6**		50.0		mg/Kg		04/27/21 09:08	04/29/21 16:46	1
Total TPH	**898**		50.0		mg/Kg		04/27/21 09:08	04/29/21 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*04/27/21 09:08*	*04/29/21 16:46*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*04/27/21 09:08*	*04/29/21 16:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**586**		4.98		mg/Kg			04/27/21 00:56	1

Client Sample ID: C-140 Lab Sample ID: 880-1584-140

Date Collected: 04/20/21 12:59 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:49	04/28/21 19:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:49	04/28/21 19:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:49	04/28/21 19:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/28/21 09:49	04/28/21 19:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:49	04/28/21 19:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/28/21 09:49	04/28/21 19:33	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/28/21 09:49	04/28/21 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*04/28/21 09:49*	*04/28/21 19:33*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/28/21 09:49*	*04/28/21 19:33*	*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		04/27/21 09:08	04/29/21 17:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-140 Lab Sample ID: 880-1584-140

Date Collected: 04/20/21 12:59 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**219**		50.0		mg/Kg		04/27/21 09:08	04/29/21 17:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 17:07	1
Total TPH	**219**		50.0		mg/Kg		04/27/21 09:08	04/29/21 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/27/21 09:08*	*04/29/21 17:07*	*1*
o-Terphenyl	*112*		*70 - 130*	*04/27/21 09:08*	*04/29/21 17:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**313**		5.05		mg/Kg			04/26/21 21:18	1

Client Sample ID: C-141 Lab Sample ID: 880-1584-141

Date Collected: 04/20/21 13:00 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 19:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 19:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 19:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 19:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 19:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 19:59	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*04/28/21 09:49*	*04/28/21 19:59*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/28/21 09:49*	*04/28/21 19:59*	*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	**59.0**		49.9		mg/Kg		04/27/21 09:08	04/29/21 17:29	1
Diesel Range Organics (Over C10-C28)	**399**		49.9		mg/Kg		04/27/21 09:08	04/29/21 17:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 17:29	1
Total TPH	**458**		49.9		mg/Kg		04/27/21 09:08	04/29/21 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/27/21 09:08*	*04/29/21 17:29*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/27/21 09:08*	*04/29/21 17:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**708**		5.04		mg/Kg			04/26/21 21:33	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-142
Lab Sample ID: 880-1584-142
Date Collected: 04/20/21 13:01 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 20:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 20:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 20:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/28/21 09:49	04/28/21 20:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 20:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/28/21 09:49	04/28/21 20:24	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/28/21 09:49	04/28/21 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*04/28/21 09:49*	*04/28/21 20:24*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/28/21 09:49*	*04/28/21 20:24*	*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		04/27/21 09:08	04/29/21 17:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 17:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 17:51	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*04/27/21 09:08*	*04/29/21 17:51*	*1*
o-Terphenyl	*127*		*70 - 130*	*04/27/21 09:08*	*04/29/21 17:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		5.02		mg/Kg			04/26/21 21:38	1

Client Sample ID: C-143
Lab Sample ID: 880-1584-143
Date Collected: 04/20/21 13:02 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/28/21 09:49	04/28/21 20:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/28/21 09:49	04/28/21 20:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/28/21 09:49	04/28/21 20:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/28/21 09:49	04/28/21 20:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/28/21 09:49	04/28/21 20:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/28/21 09:49	04/28/21 20:50	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/28/21 09:49	04/28/21 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/28/21 09:49*	*04/28/21 20:50*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/28/21 09:49*	*04/28/21 20:50*	*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		04/27/21 09:08	04/29/21 18:13	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-143

Lab Sample ID: 880-1584-143
Matrix: Solid
Date Collected: 04/20/21 13:02
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 18:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 18:13	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/27/21 09:08*	*04/29/21 18:13*	*1*
o-Terphenyl	*117*		*70 - 130*	*04/27/21 09:08*	*04/29/21 18:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		5.03		mg/Kg			04/26/21 21:43	1

Client Sample ID: C-144

Lab Sample ID: 880-1584-144
Matrix: Solid
Date Collected: 04/20/21 13:03
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 21:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 21:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 21:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/28/21 09:49	04/28/21 21:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 21:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/28/21 09:49	04/28/21 21:15	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/28/21 09:49	04/28/21 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/28/21 09:49*	*04/28/21 21:15*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/28/21 09:49*	*04/28/21 21:15*	*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		04/27/21 09:08	04/29/21 18:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 18:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 18:56	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*04/27/21 09:08*	*04/29/21 18:56*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*04/27/21 09:08*	*04/29/21 18:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**503**		5.01		mg/Kg			04/26/21 21:48	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-145

Date Collected: 04/20/21 13:04
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-145
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		04/28/21 09:49	04/28/21 22:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 22:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 22:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/28/21 09:49	04/28/21 22:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 22:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/28/21 09:49	04/28/21 22:58	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/28/21 09:49	04/28/21 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*04/28/21 09:49*	*04/28/21 22:58*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/28/21 09:49*	*04/28/21 22:58*	*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		04/27/21 09:08	04/29/21 19:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 19:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 19:17	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/27/21 09:08*	*04/29/21 19:17*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/27/21 09:08*	*04/29/21 19:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.4**		5.01		mg/Kg			04/26/21 22:03	1

Client Sample ID: C-146

Date Collected: 04/20/21 13:05
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-146
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		04/28/21 09:49	04/28/21 23:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 23:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 23:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 23:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 23:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 23:23	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/28/21 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/28/21 09:49*	*04/28/21 23:23*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/28/21 09:49*	*04/28/21 23:23*	*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		04/27/21 09:08	04/29/21 19:39	1

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-146
Lab Sample ID: 880-1584-146
Date Collected: 04/20/21 13:05
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 19:39	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 19:39	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/27/21 09:08*	*04/29/21 19:39*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/27/21 09:08*	*04/29/21 19:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.0**		4.99		mg/Kg			04/26/21 22:08	1

Client Sample ID: C-147
Lab Sample ID: 880-1584-147
Date Collected: 04/20/21 13:06
Matrix: Solid
Date Received: 04/26/21 10:04

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		04/27/21 13:10	04/29/21 01:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 01:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 01:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/27/21 13:10	04/29/21 01:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 01:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/27/21 13:10	04/29/21 01:40	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/27/21 13:10	04/29/21 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*04/27/21 13:10*	*04/29/21 01:40*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/27/21 13:10*	*04/29/21 01:40*	*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	**63.1**		49.9		mg/Kg		04/27/21 09:08	04/29/21 20:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 20:00	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 20:00	1
Total TPH	**63.1**		49.9		mg/Kg		04/27/21 09:08	04/29/21 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*04/27/21 09:08*	*04/29/21 20:00*	*1*
o-Terphenyl	*127*		*70 - 130*	*04/27/21 09:08*	*04/29/21 20:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**205**		5.00		mg/Kg			04/26/21 22:14	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-148 Lab Sample ID: 880-1584-148

Date Collected: 04/20/21 13:07 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 02:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 02:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 02:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/27/21 13:10	04/29/21 02:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 02:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/27/21 13:10	04/29/21 02:00	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/27/21 13:10	04/29/21 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/27/21 13:10*	*04/29/21 02:00*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/27/21 13:10*	*04/29/21 02:00*	*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		04/27/21 09:08	04/29/21 20:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 20:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 20:22	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/27/21 09:08*	*04/29/21 20:22*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/27/21 09:08*	*04/29/21 20:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		5.00		mg/Kg			04/26/21 22:19	1

Client Sample ID: C-149 Lab Sample ID: 880-1584-149

Date Collected: 04/20/21 13:08 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 02:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 02:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 02:21	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/27/21 13:10	04/29/21 02:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 02:21	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/27/21 13:10	04/29/21 02:21	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/27/21 13:10	04/29/21 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/27/21 13:10*	*04/29/21 02:21*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/27/21 13:10*	*04/29/21 02:21*	*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		04/27/21 09:08	04/29/21 20:43	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-149

Date Collected: 04/20/21 13:08
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-149
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 20:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 20:43	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/27/21 09:08*	*04/29/21 20:43*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/27/21 09:08*	*04/29/21 20:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**203**		5.00		mg/Kg			04/26/21 22:24	1

Client Sample ID: C-150

Date Collected: 04/20/21 13:09
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-150
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		04/27/21 13:10	04/29/21 02:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 02:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 02:41	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/27/21 13:10	04/29/21 02:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 02:41	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/27/21 13:10	04/29/21 02:41	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/27/21 13:10	04/29/21 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*04/27/21 13:10*	*04/29/21 02:41*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/27/21 13:10*	*04/29/21 02:41*	*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		04/27/21 09:08	04/29/21 21:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 21:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 21:04	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*04/27/21 09:08*	*04/29/21 21:04*	*1*
o-Terphenyl	*130*		*70 - 130*	*04/27/21 09:08*	*04/29/21 21:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.2**		5.04		mg/Kg			04/26/21 22:29	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-151 Lab Sample ID: 880-1584-151

Date Collected: 04/20/21 13:10 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 03:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 03:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 03:02	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/27/21 13:10	04/29/21 03:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:10	04/29/21 03:02	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/27/21 13:10	04/29/21 03:02	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/27/21 13:10	04/29/21 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/27/21 13:10*	*04/29/21 03:02*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/27/21 13:10*	*04/29/21 03:02*	*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		04/27/21 09:08	04/29/21 21:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 21:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 21:26	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 09:08	04/29/21 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/27/21 09:08*	*04/29/21 21:26*	*1*
o-Terphenyl	*113*		*70 - 130*	*04/27/21 09:08*	*04/29/21 21:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		4.97		mg/Kg			04/26/21 22:44	1

Client Sample ID: C-152 Lab Sample ID: 880-1584-152

Date Collected: 04/20/21 13:11 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 03:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 03:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 03:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 03:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 03:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 03:22	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/27/21 13:10*	*04/29/21 03:22*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/27/21 13:10*	*04/29/21 03:22*	*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		04/27/21 09:08	04/29/21 21:48	1

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Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-152
Lab Sample ID: 880-1584-152
Date Collected: 04/20/21 13:11
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 21:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 21:48	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/27/21 09:08*	*04/29/21 21:48*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/27/21 09:08*	*04/29/21 21:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		4.97		mg/Kg			04/26/21 22:49	1

Client Sample ID: C-153
Lab Sample ID: 880-1584-153
Date Collected: 04/20/21 13:12
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 03:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 03:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 03:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 03:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 03:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 03:42	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/27/21 13:10*	*04/29/21 03:42*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/27/21 13:10*	*04/29/21 03:42*	*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	<50.1	U	50.1		mg/Kg		04/27/21 09:08	04/29/21 22:10	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/27/21 09:08	04/29/21 22:10	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/27/21 09:08	04/29/21 22:10	1
Total TPH	<50.1	U	50.1		mg/Kg		04/27/21 09:08	04/29/21 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*04/27/21 09:08*	*04/29/21 22:10*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/27/21 09:08*	*04/29/21 22:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**267**		4.97		mg/Kg			04/26/21 23:04	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-154

Date Collected: 04/20/21 13:13
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-154
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		04/27/21 13:10	04/29/21 04:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 04:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 04:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/21 13:10	04/29/21 04:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 04:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/21 13:10	04/29/21 04:03	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/27/21 13:10	04/29/21 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/27/21 13:10*	*04/29/21 04:03*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/27/21 13:10*	*04/29/21 04:03*	*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		04/27/21 09:26	04/30/21 11:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 11:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 11:51	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*04/27/21 09:26*	*04/30/21 11:51*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/27/21 09:26*	*04/30/21 11:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		4.97		mg/Kg			04/26/21 23:09	1

Client Sample ID: C-155

Date Collected: 04/20/21 13:14
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-155
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		04/27/21 13:10	04/29/21 04:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/27/21 13:10	04/29/21 04:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/27/21 13:10	04/29/21 04:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/27/21 13:10	04/29/21 04:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/27/21 13:10	04/29/21 04:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/27/21 13:10	04/29/21 04:23	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/27/21 13:10	04/29/21 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/27/21 13:10*	*04/29/21 04:23*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/27/21 13:10*	*04/29/21 04:23*	*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		04/27/21 09:26	04/30/21 12:53	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-155

Lab Sample ID: 880-1584-155
Matrix: Solid
Date Collected: 04/20/21 13:14
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 12:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 12:53	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/27/21 09:26*	*04/30/21 12:53*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/27/21 09:26*	*04/30/21 12:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**357**	**F1**	4.97		mg/Kg			04/29/21 02:17	1

Client Sample ID: C-156

Lab Sample ID: 880-1584-156
Matrix: Solid
Date Collected: 04/20/21 13:15
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 04:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 04:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 04:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 04:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 04:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 04:44	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/27/21 13:10*	*04/29/21 04:44*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/27/21 13:10*	*04/29/21 04:44*	*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		04/27/21 09:26	04/30/21 13:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/27/21 09:26	04/30/21 13:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/21 09:26	04/30/21 13:14	1
Total TPH	<49.8	U	49.8		mg/Kg		04/27/21 09:26	04/30/21 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/27/21 09:26*	*04/30/21 13:14*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/27/21 09:26*	*04/30/21 13:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**793**		4.96		mg/Kg			04/29/21 02:33	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-157 Lab Sample ID: 880-1584-157

Date Collected: 04/20/21 13:16 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 06:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 06:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 06:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 06:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 06:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 06:05	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 06:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/27/21 13:10*	*04/29/21 06:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/27/21 13:10*	*04/29/21 06:05*	*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		04/27/21 09:26	04/30/21 13:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 13:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 13:35	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/27/21 09:26*	*04/30/21 13:35*	*1*
o-Terphenyl	*111*		*70 - 130*	*04/27/21 09:26*	*04/30/21 13:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	743		24.8		mg/Kg			04/29/21 02:38	5

Client Sample ID: C-158 Lab Sample ID: 880-1584-158

Date Collected: 04/20/21 13:17 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:10	04/29/21 06:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:10	04/29/21 06:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:10	04/29/21 06:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/27/21 13:10	04/29/21 06:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:10	04/29/21 06:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/27/21 13:10	04/29/21 06:26	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/27/21 13:10	04/29/21 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/27/21 13:10*	*04/29/21 06:26*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/27/21 13:10*	*04/29/21 06:26*	*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		04/27/21 09:26	04/30/21 15:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-158

Lab Sample ID: 880-1584-158
Matrix: Solid
Date Collected: 04/20/21 13:17
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 15:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 15:24	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/27/21 09:26*	*04/30/21 15:24*	*1*
o-Terphenyl	*120*		*70 - 130*	*04/27/21 09:26*	*04/30/21 15:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**666**		4.99		mg/Kg			04/29/21 02:44	1

Client Sample ID: C-159

Lab Sample ID: 880-1584-159
Matrix: Solid
Date Collected: 04/20/21 13:18
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/27/21 13:10	04/29/21 06:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/27/21 13:10	04/29/21 06:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/27/21 13:10	04/29/21 06:46	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/27/21 13:10	04/29/21 06:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/27/21 13:10	04/29/21 06:46	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/27/21 13:10	04/29/21 06:46	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/27/21 13:10	04/29/21 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/27/21 13:10*	*04/29/21 06:46*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/27/21 13:10*	*04/29/21 06:46*	*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		04/27/21 09:26	04/30/21 15:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 15:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 15:45	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/27/21 09:26*	*04/30/21 15:45*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/27/21 09:26*	*04/30/21 15:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**341**		4.95		mg/Kg			04/29/21 02:49	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-160

Date Collected: 04/20/21 13:19
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-160
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		04/27/21 13:10	04/29/21 07:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 07:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 07:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/27/21 13:10	04/29/21 07:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 07:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/27/21 13:10	04/29/21 07:07	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/27/21 13:10	04/29/21 07:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/27/21 13:10*	*04/29/21 07:07*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/27/21 13:10*	*04/29/21 07:07*	*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		04/27/21 09:26	04/30/21 16:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 16:06	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 16:06	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/27/21 09:26*	*04/30/21 16:06*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/27/21 09:26*	*04/30/21 16:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**518**		4.95		mg/Kg			04/29/21 03:05	1

Client Sample ID: C-161

Date Collected: 04/20/21 13:20
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-161
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		04/27/21 13:10	04/29/21 07:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 07:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 07:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 07:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:10	04/29/21 07:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 07:27	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:10	04/29/21 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*287*	*S1+*	*70 - 130*	*04/27/21 13:10*	*04/29/21 07:27*	*1*
1,4-Difluorobenzene (Surr)	*265*	*S1+*	*70 - 130*	*04/27/21 13:10*	*04/29/21 07:27*	*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		04/27/21 09:26	04/30/21 16:27	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-161 Lab Sample ID: 880-1584-161

Date Collected: 04/20/21 13:20 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 16:27	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 16:27	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*04/27/21 09:26*	*04/30/21 16:27*	*1*
o-Terphenyl	*123*		*70 - 130*	*04/27/21 09:26*	*04/30/21 16:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**385**		25.2		mg/Kg			04/29/21 03:10	5

Client Sample ID: C-162 Lab Sample ID: 880-1584-162

Date Collected: 04/20/21 13:21 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 07:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 07:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 07:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/27/21 13:10	04/29/21 07:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:10	04/29/21 07:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/27/21 13:10	04/29/21 07:47	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/27/21 13:10	04/29/21 07:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/27/21 13:10*	*04/29/21 07:47*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/27/21 13:10*	*04/29/21 07:47*	*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		04/27/21 09:26	04/30/21 16:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 16:48	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 16:48	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/27/21 09:26*	*04/30/21 16:48*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/27/21 09:26*	*04/30/21 16:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1170**		31.2		mg/Kg			04/29/21 03:16	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-163

Date Collected: 04/20/21 13:22
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-163
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		04/27/21 13:36	04/29/21 13:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 13:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 13:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 13:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 13:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 13:31	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/27/21 13:36*	*04/29/21 13:31*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/27/21 13:36*	*04/29/21 13:31*	*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		04/27/21 09:26	04/30/21 17:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 17:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 17:09	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/27/21 09:26*	*04/30/21 17:09*	*1*
o-Terphenyl	*125*		*70 - 130*	*04/27/21 09:26*	*04/30/21 17:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**941**		25.2		mg/Kg			04/29/21 03:21	5

Client Sample ID: C-164

Date Collected: 04/20/21 13:23
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-164
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		04/27/21 13:36	04/29/21 13:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 13:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 13:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 13:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 13:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 13:52	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/27/21 13:36*	*04/29/21 13:52*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*04/27/21 13:36*	*04/29/21 13:52*	*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		04/27/21 09:26	04/30/21 17:52	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-164

Date Collected: 04/20/21 13:23
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-164
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 17:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 17:52	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*04/27/21 09:26*	*04/30/21 17:52*	*1*
o-Terphenyl	*125*		*70 - 130*	*04/27/21 09:26*	*04/30/21 17:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**804**		25.2		mg/Kg			04/29/21 03:27	5

Client Sample ID: C-165

Date Collected: 04/20/21 13:24
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-165
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		04/27/21 13:36	04/29/21 14:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/27/21 13:36	04/29/21 14:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/27/21 13:36	04/29/21 14:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/27/21 13:36	04/29/21 14:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/27/21 13:36	04/29/21 14:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/27/21 13:36	04/29/21 14:12	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/27/21 13:36	04/29/21 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/27/21 13:36*	*04/29/21 14:12*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*04/27/21 13:36*	*04/29/21 14:12*	*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		04/27/21 09:26	04/30/21 18:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 18:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 18:13	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*04/27/21 09:26*	*04/30/21 18:13*	*1*
o-Terphenyl	*122*		*70 - 130*	*04/27/21 09:26*	*04/30/21 18:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**598**	**F1**	25.3		mg/Kg			04/29/21 03:32	5

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-166

Date Collected: 04/20/21 13:25
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-166
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		04/27/21 13:36	04/29/21 14:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:36	04/29/21 14:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:36	04/29/21 14:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/27/21 13:36	04/29/21 14:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:36	04/29/21 14:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/27/21 13:36	04/29/21 14:33	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/27/21 13:36	04/29/21 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/27/21 13:36*	*04/29/21 14:33*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/27/21 13:36*	*04/29/21 14:33*	*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		04/27/21 09:26	04/30/21 18:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 18:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 18:35	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*04/27/21 09:26*	*04/30/21 18:35*	*1*
o-Terphenyl	*122*		*70 - 130*	*04/27/21 09:26*	*04/30/21 18:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.6**		5.04		mg/Kg			04/29/21 03:48	1

Client Sample ID: C-167

Date Collected: 04/20/21 13:26
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-167
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		04/27/21 13:36	04/29/21 14:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:36	04/29/21 14:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:36	04/29/21 14:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/27/21 13:36	04/29/21 14:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:36	04/29/21 14:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/27/21 13:36	04/29/21 14:54	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/27/21 13:36	04/29/21 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/27/21 13:36*	*04/29/21 14:54*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/27/21 13:36*	*04/29/21 14:54*	*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		04/27/21 09:26	04/30/21 18:56	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-167 Lab Sample ID: 880-1584-167

Date Collected: 04/20/21 13:26 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/27/21 09:26	04/30/21 18:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/21 09:26	04/30/21 18:56	1
Total TPH	<49.8	U	49.8		mg/Kg		04/27/21 09:26	04/30/21 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*04/27/21 09:26*	*04/30/21 18:56*	*1*
o-Terphenyl	*128*		*70 - 130*	*04/27/21 09:26*	*04/30/21 18:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**144**		4.98		mg/Kg			04/29/21 03:53	1

Client Sample ID: C-168 Lab Sample ID: 880-1584-168

Date Collected: 04/20/21 13:27 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 15:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 15:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 15:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/27/21 13:36	04/29/21 15:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 15:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/27/21 13:36	04/29/21 15:14	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/27/21 13:36	04/29/21 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*04/27/21 13:36*	*04/29/21 15:14*	*1*
1,4-Difluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*04/27/21 13:36*	*04/29/21 15:14*	*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		04/27/21 09:26	04/30/21 19:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 19:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 19:18	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/27/21 09:26*	*04/30/21 19:18*	*1*
o-Terphenyl	*120*		*70 - 130*	*04/27/21 09:26*	*04/30/21 19:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89.2**		4.98		mg/Kg			04/29/21 04:10	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-169

Date Collected: 04/20/21 13:28
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-169
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		04/27/21 13:36	04/29/21 15:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 15:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 15:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 15:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 15:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 15:35	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/27/21 13:36*	*04/29/21 15:35*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*04/27/21 13:36*	*04/29/21 15:35*	*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		04/27/21 09:26	04/30/21 19:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 19:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 19:40	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*04/27/21 09:26*	*04/30/21 19:40*	*1*
o-Terphenyl	*123*		*70 - 130*	*04/27/21 09:26*	*04/30/21 19:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		5.00		mg/Kg			04/29/21 04:15	1

Client Sample ID: C-170

Date Collected: 04/20/21 13:29
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-170
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		04/28/21 14:55	04/29/21 17:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 14:55	04/29/21 17:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 14:55	04/29/21 17:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/28/21 14:55	04/29/21 17:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 14:55	04/29/21 17:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/28/21 14:55	04/29/21 17:34	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/28/21 14:55	04/29/21 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/28/21 14:55*	*04/29/21 17:34*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/28/21 14:55*	*04/29/21 17:34*	*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	<50.1	U	50.1		mg/Kg		04/27/21 09:26	04/30/21 20:01	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-170

Lab Sample ID: 880-1584-170
Matrix: Solid
Date Collected: 04/20/21 13:29
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/27/21 09:26	04/30/21 20:01	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/27/21 09:26	04/30/21 20:01	1
Total TPH	<50.1	U	50.1		mg/Kg		04/27/21 09:26	04/30/21 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/27/21 09:26*	*04/30/21 20:01*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/27/21 09:26*	*04/30/21 20:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		4.96		mg/Kg			04/29/21 04:20	1

Client Sample ID: C-171

Lab Sample ID: 880-1584-171
Matrix: Solid
Date Collected: 04/20/21 13:30
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/28/21 14:55	04/29/21 17:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/28/21 14:55	04/29/21 17:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/28/21 14:55	04/29/21 17:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/28/21 14:55	04/29/21 17:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/28/21 14:55	04/29/21 17:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/28/21 14:55	04/29/21 17:54	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/28/21 14:55	04/29/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/28/21 14:55*	*04/29/21 17:54*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/28/21 14:55*	*04/29/21 17:54*	*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		04/27/21 09:26	04/30/21 20:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 20:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 20:22	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 09:26	04/30/21 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/27/21 09:26*	*04/30/21 20:22*	*1*
o-Terphenyl	*123*		*70 - 130*	*04/27/21 09:26*	*04/30/21 20:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**319**		4.95		mg/Kg			04/29/21 04:26	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-172

Date Collected: 04/20/21 13:31
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-172
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		04/29/21 11:00	04/30/21 02:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/29/21 11:00	04/30/21 02:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/29/21 11:00	04/30/21 02:23	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/29/21 11:00	04/30/21 02:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/29/21 11:00	04/30/21 02:23	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/29/21 11:00	04/30/21 02:23	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/29/21 11:00	04/30/21 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/29/21 11:00*	*04/30/21 02:23*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/29/21 11:00*	*04/30/21 02:23*	*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		04/27/21 09:26	04/30/21 20:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 20:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 20:44	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/27/21 09:26*	*04/30/21 20:44*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/27/21 09:26*	*04/30/21 20:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**255**		5.04		mg/Kg			04/29/21 04:31	1

Client Sample ID: C-173

Date Collected: 04/20/21 13:32
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-173
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00000244	U	0.00000244		mg/Kg		04/27/21 13:36	04/29/21 18:17	1
Toluene	<0.00000244	U	0.00000244		mg/Kg		04/27/21 13:36	04/29/21 18:17	1
Ethylbenzene	<0.00000244	U	0.00000244		mg/Kg		04/27/21 13:36	04/29/21 18:17	1
m-Xylene & p-Xylene	<0.00000488	U	0.00000488		mg/Kg		04/27/21 13:36	04/29/21 18:17	1
o-Xylene	<0.00000244	U	0.00000244		mg/Kg		04/27/21 13:36	04/29/21 18:17	1
Xylenes, Total	<0.00000488	U	0.00000488		mg/Kg		04/27/21 13:36	04/29/21 18:17	1
Total BTEX	<0.00000488	U	0.00000488		mg/Kg		04/27/21 13:36	04/29/21 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*04/27/21 13:36*	*04/29/21 18:17*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/27/21 13:36*	*04/29/21 18:17*	*1*

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-173 Lab Sample ID: 880-1584-173

Date Collected: 04/20/21 13:32 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/27/21 09:26	04/30/21 21:05	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/27/21 09:26	04/30/21 21:05	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/27/21 09:26	04/30/21 21:05	1
Total TPH	<50.1	U	50.1		mg/Kg		04/27/21 09:26	04/30/21 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/27/21 09:26*	*04/30/21 21:05*	*1*
o-Terphenyl	*127*		*70 - 130*	*04/27/21 09:26*	*04/30/21 21:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**454**		5.05		mg/Kg			04/29/21 04:36	1

Client Sample ID: C-174 Lab Sample ID: 880-1584-174

Date Collected: 04/20/21 13:33 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 18:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 18:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 18:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/27/21 13:36	04/29/21 18:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 18:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/27/21 13:36	04/29/21 18:37	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/27/21 13:36	04/29/21 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/27/21 13:36*	*04/29/21 18:37*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*04/27/21 13:36*	*04/29/21 18:37*	*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 F1	49.9		mg/Kg		04/27/21 10:01	04/30/21 11:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		04/27/21 10:01	04/30/21 11:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 11:51	1
Total TPH	<49.9	U F1	49.9		mg/Kg		04/27/21 10:01	04/30/21 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*04/27/21 10:01*	*04/30/21 11:51*	*1*
o-Terphenyl	*127*		*70 - 130*	*04/27/21 10:01*	*04/30/21 11:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**165**		5.00		mg/Kg			04/29/21 04:42	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-175 Lab Sample ID: 880-1584-175

Date Collected: 04/20/21 13:34 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 18:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 18:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 18:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 18:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 18:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 18:58	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/27/21 13:36*	*04/29/21 18:58*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/27/21 13:36*	*04/29/21 18:58*	*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		04/27/21 10:01	04/30/21 12:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 12:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 12:53	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*04/27/21 10:01*	*04/30/21 12:53*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*04/27/21 10:01*	*04/30/21 12:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**593**	**F1**	4.97		mg/Kg			04/29/21 12:46	1

Client Sample ID: C-176 Lab Sample ID: 880-1584-176

Date Collected: 04/20/21 13:35 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:36	04/29/21 19:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:36	04/29/21 19:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:36	04/29/21 19:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/27/21 13:36	04/29/21 19:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:36	04/29/21 19:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/27/21 13:36	04/29/21 19:19	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/27/21 13:36	04/29/21 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/27/21 13:36*	*04/29/21 19:19*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*04/27/21 13:36*	*04/29/21 19:19*	*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		04/27/21 10:01	04/30/21 13:14	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-176
Lab Sample ID: 880-1584-176
Date Collected: 04/20/21 13:35
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/27/21 10:01	04/30/21 13:14	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/21 10:01	04/30/21 13:14	1
Total TPH	<49.8	U	49.8		mg/Kg		04/27/21 10:01	04/30/21 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*04/27/21 10:01*	*04/30/21 13:14*	*1*
o-Terphenyl	*126*		*70 - 130*	*04/27/21 10:01*	*04/30/21 13:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**232**		4.96		mg/Kg			04/29/21 13:02	1

Client Sample ID: C-177
Lab Sample ID: 880-1584-177
Date Collected: 04/20/21 13:36
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 19:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 19:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 19:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/21 13:36	04/29/21 19:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 19:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/21 13:36	04/29/21 19:39	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/27/21 13:36	04/29/21 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/27/21 13:36*	*04/29/21 19:39*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*04/27/21 13:36*	*04/29/21 19:39*	*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		04/27/21 10:01	04/30/21 13:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 13:35	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 13:35	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*04/27/21 10:01*	*04/30/21 13:35*	*1*
o-Terphenyl	*127*		*70 - 130*	*04/27/21 10:01*	*04/30/21 13:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**680**		4.95		mg/Kg			04/29/21 13:08	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-178

Date Collected: 04/20/21 13:37
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-178
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		04/27/21 13:36	04/29/21 20:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:36	04/29/21 20:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:36	04/29/21 20:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/27/21 13:36	04/29/21 20:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:36	04/29/21 20:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/27/21 13:36	04/29/21 20:00	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/27/21 13:36	04/29/21 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/27/21 13:36*	*04/29/21 20:00*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*04/27/21 13:36*	*04/29/21 20:00*	*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		04/27/21 10:01	04/30/21 15:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 15:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 15:24	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*04/27/21 10:01*	*04/30/21 15:24*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*04/27/21 10:01*	*04/30/21 15:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**696**		4.99		mg/Kg			04/29/21 13:13	1

Client Sample ID: C-179

Date Collected: 04/20/21 13:38
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-179
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		04/27/21 13:36	04/29/21 20:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 20:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 20:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/27/21 13:36	04/29/21 20:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 20:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/27/21 13:36	04/29/21 20:21	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/27/21 13:36	04/29/21 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/27/21 13:36*	*04/29/21 20:21*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/27/21 13:36*	*04/29/21 20:21*	*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		04/27/21 10:01	04/30/21 15:45	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-179

Lab Sample ID: 880-1584-179
Matrix: Solid
Date Collected: 04/20/21 13:38
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 15:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 15:45	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*04/27/21 10:01*	*04/30/21 15:45*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*04/27/21 10:01*	*04/30/21 15:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**589**		4.95		mg/Kg			04/29/21 13:18	1

Client Sample ID: C-180

Lab Sample ID: 880-1584-180
Matrix: Solid
Date Collected: 04/20/21 13:39
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:36	04/29/21 20:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:36	04/29/21 20:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:36	04/29/21 20:41	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/27/21 13:36	04/29/21 20:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:36	04/29/21 20:41	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/27/21 13:36	04/29/21 20:41	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/27/21 13:36	04/29/21 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/27/21 13:36*	*04/29/21 20:41*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*04/27/21 13:36*	*04/29/21 20:41*	*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		04/27/21 10:01	04/30/21 16:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 16:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 16:06	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*04/27/21 10:01*	*04/30/21 16:06*	*1*
o-Terphenyl	*148*	*S1+*	*70 - 130*	*04/27/21 10:01*	*04/30/21 16:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**523**		4.95		mg/Kg			04/29/21 13:35	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-181 Lab Sample ID: 880-1584-181

Date Collected: 04/20/21 13:40 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 21:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 21:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 21:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 21:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:36	04/29/21 21:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 21:02	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:36	04/29/21 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/27/21 13:36*	*04/29/21 21:02*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*04/27/21 13:36*	*04/29/21 21:02*	*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		04/27/21 10:01	04/30/21 16:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 16:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 16:27	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*153*	*S1+*	*70 - 130*	*04/27/21 10:01*	*04/30/21 16:27*	*1*
o-Terphenyl	*156*	*S1+*	*70 - 130*	*04/27/21 10:01*	*04/30/21 16:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1140**		5.04		mg/Kg			04/29/21 13:40	1

Client Sample ID: C-182 Lab Sample ID: 880-1584-182

Date Collected: 04/20/21 13:41 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00294**	**B**	0.00201		mg/Kg		04/27/21 13:36	04/29/21 21:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:36	04/29/21 21:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:36	04/29/21 21:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/27/21 13:36	04/29/21 21:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:36	04/29/21 21:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/27/21 13:36	04/29/21 21:23	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/27/21 13:36	04/29/21 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/27/21 13:36*	*04/29/21 21:23*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/27/21 13:36*	*04/29/21 21:23*	*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		04/27/21 10:01	04/30/21 16:48	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-182

Lab Sample ID: 880-1584-182
Matrix: Solid
Date Collected: 04/20/21 13:41
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 16:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 16:48	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*04/27/21 10:01*	*04/30/21 16:48*	*1*
o-Terphenyl	*125*		*70 - 130*	*04/27/21 10:01*	*04/30/21 16:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**587**		31.2		mg/Kg			04/29/21 13:45	5

Client Sample ID: C-183

Lab Sample ID: 880-1584-183
Matrix: Solid
Date Collected: 04/20/21 13:42
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		04/27/21 13:57	04/30/21 00:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 00:49	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		04/27/21 13:57	04/30/21 00:49	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		04/27/21 13:57	04/30/21 00:49	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		04/27/21 13:57	04/30/21 00:49	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		04/27/21 13:57	04/30/21 00:49	1
Total BTEX	<0.00398	U F1	0.00398		mg/Kg		04/27/21 13:57	04/30/21 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/27/21 13:57*	*04/30/21 00:49*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/27/21 13:57*	*04/30/21 00:49*	*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		04/27/21 10:01	04/30/21 17:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 17:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 17:09	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*04/27/21 10:01*	*04/30/21 17:09*	*1*
o-Terphenyl	*128*		*70 - 130*	*04/27/21 10:01*	*04/30/21 17:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**781**		5.03		mg/Kg			04/29/21 13:51	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-184 Lab Sample ID: 880-1584-184

Date Collected: 04/20/21 13:43 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 01:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 01:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 01:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 01:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 01:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 01:09	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/27/21 13:57*	*04/30/21 01:09*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*04/27/21 13:57*	*04/30/21 01:09*	*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		04/27/21 10:01	04/30/21 17:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 17:52	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 17:52	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*04/27/21 10:01*	*04/30/21 17:52*	*1*
o-Terphenyl	*124*		*70 - 130*	*04/27/21 10:01*	*04/30/21 17:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.1**		5.03		mg/Kg			04/29/21 13:56	1

Client Sample ID: C-185 Lab Sample ID: 880-1584-185

Date Collected: 04/20/21 13:44 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 01:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 01:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 01:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/27/21 13:57	04/30/21 01:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 01:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/27/21 13:57	04/30/21 01:30	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/27/21 13:57	04/30/21 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/27/21 13:57*	*04/30/21 01:30*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/27/21 13:57*	*04/30/21 01:30*	*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		04/27/21 10:01	04/30/21 18:13	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-185

Date Collected: 04/20/21 13:44
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-185
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 18:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 18:13	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*04/27/21 10:01*	*04/30/21 18:13*	*1*
o-Terphenyl	*127*		*70 - 130*	*04/27/21 10:01*	*04/30/21 18:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**158**	**F1**	5.00		mg/Kg			04/29/21 14:01	1

Client Sample ID: C-186

Date Collected: 04/20/21 13:45
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-186
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		04/27/21 13:57	04/30/21 01:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:57	04/30/21 01:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:57	04/30/21 01:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/27/21 13:57	04/30/21 01:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:57	04/30/21 01:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/27/21 13:57	04/30/21 01:51	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/27/21 13:57	04/30/21 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/27/21 13:57*	*04/30/21 01:51*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/27/21 13:57*	*04/30/21 01:51*	*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		04/27/21 10:01	04/30/21 18:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 18:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 18:35	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/27/21 10:01*	*04/30/21 18:35*	*1*
o-Terphenyl	*93*		*70 - 130*	*04/27/21 10:01*	*04/30/21 18:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**114**		4.98		mg/Kg			04/29/21 14:17	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-187

Date Collected: 04/20/21 13:46
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-187
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		04/27/21 13:57	04/30/21 02:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 02:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 02:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 02:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 02:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 02:12	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/27/21 13:57*	*04/30/21 02:12*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/27/21 13:57*	*04/30/21 02:12*	*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		04/27/21 10:01	04/30/21 18:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 18:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 18:56	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*04/27/21 10:01*	*04/30/21 18:56*	*1*
o-Terphenyl	*128*		*70 - 130*	*04/27/21 10:01*	*04/30/21 18:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		4.99		mg/Kg			04/29/21 14:23	1

Client Sample ID: C-188

Date Collected: 04/20/21 13:47
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-188
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		04/27/21 13:57	04/30/21 02:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 02:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 02:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/21 13:57	04/30/21 02:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 02:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/21 13:57	04/30/21 02:32	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/27/21 13:57	04/30/21 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/27/21 13:57*	*04/30/21 02:32*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*04/27/21 13:57*	*04/30/21 02:32*	*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		04/27/21 10:01	04/30/21 19:18	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-188

Lab Sample ID: 880-1584-188
Matrix: Solid
Date Collected: 04/20/21 13:47
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 19:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 19:18	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*04/27/21 10:01*	*04/30/21 19:18*	*1*
o-Terphenyl	*73*		*70 - 130*	*04/27/21 10:01*	*04/30/21 19:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**188**		5.04		mg/Kg			04/29/21 14:39	1

Client Sample ID: C-189

Lab Sample ID: 880-1584-189
Matrix: Solid
Date Collected: 04/20/21 13:48
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 02:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 02:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 02:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 02:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 02:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 02:53	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/27/21 13:57*	*04/30/21 02:53*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*04/27/21 13:57*	*04/30/21 02:53*	*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		04/27/21 10:01	04/30/21 19:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 19:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 19:40	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*04/27/21 10:01*	*04/30/21 19:40*	*1*
o-Terphenyl	*65*	*S1-*	*70 - 130*	*04/27/21 10:01*	*04/30/21 19:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.9**		4.95		mg/Kg			04/29/21 14:44	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-190 Lab Sample ID: 880-1584-190

Date Collected: 04/20/21 13:49 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 03:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 03:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 03:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/27/21 13:57	04/30/21 03:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 03:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/27/21 13:57	04/30/21 03:14	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/27/21 13:57	04/30/21 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*04/27/21 13:57*	*04/30/21 03:14*	*1*
1,4-Difluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*04/27/21 13:57*	*04/30/21 03:14*	*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		04/27/21 10:01	04/30/21 20:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 20:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 20:01	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*04/27/21 10:01*	*04/30/21 20:01*	*1*
o-Terphenyl	*83*		*70 - 130*	*04/27/21 10:01*	*04/30/21 20:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.9**		5.05		mg/Kg			04/29/21 14:50	1

Client Sample ID: C-191 Lab Sample ID: 880-1584-191

Date Collected: 04/20/21 13:50 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 03:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 03:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 03:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/27/21 13:57	04/30/21 03:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 03:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/27/21 13:57	04/30/21 03:34	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/27/21 13:57	04/30/21 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/27/21 13:57*	*04/30/21 03:34*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/27/21 13:57*	*04/30/21 03:34*	*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	<50.1	U	50.1		mg/Kg		04/27/21 10:01	04/30/21 20:22	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-191

Date Collected: 04/20/21 13:50
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-191
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/27/21 10:01	04/30/21 20:22	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/27/21 10:01	04/30/21 20:22	1
Total TPH	<50.1	U	50.1		mg/Kg		04/27/21 10:01	04/30/21 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/27/21 10:01*	*04/30/21 20:22*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/27/21 10:01*	*04/30/21 20:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.7**		4.99		mg/Kg			04/29/21 14:55	1

Client Sample ID: C-192

Date Collected: 04/20/21 13:51
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-192
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		04/27/21 13:57	04/30/21 03:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 03:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 03:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 03:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 03:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 03:55	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/27/21 13:57*	*04/30/21 03:55*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*04/27/21 13:57*	*04/30/21 03:55*	*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		04/27/21 10:01	04/30/21 20:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 20:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 20:44	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/27/21 10:01*	*04/30/21 20:44*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/27/21 10:01*	*04/30/21 20:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		4.99		mg/Kg			04/29/21 15:00	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-193

Date Collected: 04/20/21 13:52
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-193
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		04/27/21 13:57	04/30/21 05:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 05:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 05:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 05:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 05:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 05:18	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/27/21 13:57*	*04/30/21 05:18*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*04/27/21 13:57*	*04/30/21 05:18*	*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		04/27/21 10:01	04/30/21 21:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 21:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 21:05	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 10:01	04/30/21 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*04/27/21 10:01*	*04/30/21 21:05*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*04/27/21 10:01*	*04/30/21 21:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	329		4.96		mg/Kg			04/29/21 15:06	1

Client Sample ID: C-194

Date Collected: 04/20/21 13:53
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-194
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		04/27/21 13:57	04/30/21 05:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 05:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 05:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 05:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 05:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 05:39	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/27/21 13:57*	*04/30/21 05:39*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/27/21 13:57*	*04/30/21 05:39*	*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 *+ *1	49.9		mg/Kg		04/27/21 10:20	04/28/21 11:39	1

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Client Sample Results

Client: Larson & Associates, Inc.
Job ID: 880-1584-1
Project/Site: Frac Pond 19
SDG: NM

Client Sample ID: C-194
Lab Sample ID: 880-1584-194
Date Collected: 04/20/21 13:53
Matrix: Solid
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 10:20	04/28/21 11:39	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 10:20	04/28/21 11:39	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 10:20	04/28/21 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*04/27/21 10:20*	*04/28/21 11:39*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/27/21 10:20*	*04/28/21 11:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**243**		5.00		mg/Kg			04/29/21 15:11	1

Client Sample ID: C-195
Lab Sample ID: 880-1584-195
Date Collected: 04/20/21 13:54
Matrix: Solid
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:57	04/30/21 06:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:57	04/30/21 06:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:57	04/30/21 06:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/27/21 13:57	04/30/21 06:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/27/21 13:57	04/30/21 06:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/27/21 13:57	04/30/21 06:00	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/27/21 13:57	04/30/21 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/27/21 13:57*	*04/30/21 06:00*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/27/21 13:57*	*04/30/21 06:00*	*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 *+ *1	49.9		mg/Kg		04/27/21 10:20	04/28/21 12:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 10:20	04/28/21 12:43	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 10:20	04/28/21 12:43	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 10:20	04/28/21 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*04/27/21 10:20*	*04/28/21 12:43*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/27/21 10:20*	*04/28/21 12:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**139**	**F1**	4.99		mg/Kg			04/29/21 15:54	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-196

Date Collected: 04/20/21 13:55
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-196
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		04/27/21 13:57	04/30/21 06:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 06:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 06:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/21 13:57	04/30/21 06:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 06:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/21 13:57	04/30/21 06:21	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/27/21 13:57	04/30/21 06:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/27/21 13:57*	*04/30/21 06:21*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/27/21 13:57*	*04/30/21 06:21*	*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 *+ *1	49.8		mg/Kg		04/27/21 10:20	04/28/21 13:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/27/21 10:20	04/28/21 13:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/21 10:20	04/28/21 13:04	1
Total TPH	<49.8	U	49.8		mg/Kg		04/27/21 10:20	04/28/21 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*04/27/21 10:20*	*04/28/21 13:04*	*1*
o-Terphenyl	*98*		*70 - 130*	*04/27/21 10:20*	*04/28/21 13:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	331		5.05		mg/Kg			04/29/21 16:10	1

Client Sample ID: C-197

Date Collected: 04/20/21 13:56
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-197
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		04/27/21 13:57	04/30/21 06:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:57	04/30/21 06:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:57	04/30/21 06:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/27/21 13:57	04/30/21 06:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:57	04/30/21 06:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/27/21 13:57	04/30/21 06:41	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/27/21 13:57	04/30/21 06:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/27/21 13:57*	*04/30/21 06:41*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/27/21 13:57*	*04/30/21 06:41*	*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 *+ *1	49.9		mg/Kg		04/27/21 10:20	04/28/21 14:27	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-197

Lab Sample ID: 880-1584-197
Matrix: Solid
Date Collected: 04/20/21 13:56
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/21 10:20	04/28/21 14:27	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/21 10:20	04/28/21 14:27	1
Total TPH	<49.9	U	49.9		mg/Kg		04/27/21 10:20	04/28/21 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*04/27/21 10:20*	*04/28/21 14:27*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/27/21 10:20*	*04/28/21 14:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**284**		5.02		mg/Kg			04/29/21 16:16	1

Client Sample ID: C-198

Lab Sample ID: 880-1584-198
Matrix: Solid
Date Collected: 04/20/21 13:57
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00224**		0.00199		mg/Kg		04/27/21 13:57	04/30/21 07:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 07:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 07:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 07:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 07:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 07:02	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 07:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/27/21 13:57*	*04/30/21 07:02*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/27/21 13:57*	*04/30/21 07:02*	*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		04/28/21 10:09	04/29/21 23:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/29/21 23:55	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/29/21 23:55	1
Total TPH	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/29/21 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*04/28/21 10:09*	*04/29/21 23:55*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/28/21 10:09*	*04/29/21 23:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.9**		4.98		mg/Kg			04/29/21 16:21	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-199 Lab Sample ID: 880-1584-199

Date Collected: 04/20/21 13:58 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 07:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 07:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 07:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 07:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 07:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 07:23	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 07:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/27/21 13:57*	*04/30/21 07:23*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*04/27/21 13:57*	*04/30/21 07:23*	*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		04/28/21 10:09	04/30/21 00:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 00:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 00:16	1
Total TPH	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*04/28/21 10:09*	*04/30/21 00:16*	*1*
o-Terphenyl	*111*		*70 - 130*	*04/28/21 10:09*	*04/30/21 00:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.3		4.97		mg/Kg			04/29/21 16:27	1

Client Sample ID: C-200 Lab Sample ID: 880-1584-200

Date Collected: 04/20/21 13:59 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:57	04/30/21 07:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:57	04/30/21 07:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:57	04/30/21 07:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/27/21 13:57	04/30/21 07:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:57	04/30/21 07:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/27/21 13:57	04/30/21 07:43	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/27/21 13:57	04/30/21 07:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/27/21 13:57*	*04/30/21 07:43*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*04/27/21 13:57*	*04/30/21 07:43*	*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		04/28/21 10:09	04/30/21 00:38	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-200 Lab Sample ID: 880-1584-200

Date Collected: 04/20/21 13:59 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 00:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 00:38	1
Total TPH	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*04/28/21 10:09*	*04/30/21 00:38*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/28/21 10:09*	*04/30/21 00:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**179**		4.95		mg/Kg			04/29/21 16:43	1

Client Sample ID: C-201 Lab Sample ID: 880-1584-201

Date Collected: 04/20/21 14:00 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:57	04/30/21 08:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:57	04/30/21 08:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:57	04/30/21 08:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/27/21 13:57	04/30/21 08:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/27/21 13:57	04/30/21 08:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/27/21 13:57	04/30/21 08:04	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/27/21 13:57	04/30/21 08:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/27/21 13:57*	*04/30/21 08:04*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/27/21 13:57*	*04/30/21 08:04*	*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		04/28/21 10:09	04/30/21 00:59	1
Diesel Range Organics (Over C10-C28)	**297**		50.0		mg/Kg		04/28/21 10:09	04/30/21 00:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 00:59	1
Total TPH	**297**		50.0		mg/Kg		04/28/21 10:09	04/30/21 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*04/28/21 10:09*	*04/30/21 00:59*	*1*
o-Terphenyl	*128*		*70 - 130*	*04/28/21 10:09*	*04/30/21 00:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**380**		4.95		mg/Kg			04/29/21 16:48	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-202 Lab Sample ID: 880-1584-202

Date Collected: 04/20/21 14:01 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 08:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 08:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 08:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 08:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/21 13:57	04/30/21 08:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 08:25	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/27/21 13:57	04/30/21 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/27/21 13:57*	*04/30/21 08:25*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*04/27/21 13:57*	*04/30/21 08:25*	*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		04/28/21 10:09	04/30/21 01:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/30/21 01:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/30/21 01:21	1
Total TPH	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/30/21 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*04/28/21 10:09*	*04/30/21 01:21*	*1*
o-Terphenyl	*122*		*70 - 130*	*04/28/21 10:09*	*04/30/21 01:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		5.00		mg/Kg			04/29/21 16:54	1

Client Sample ID: C-203 Lab Sample ID: 880-1584-203

Date Collected: 04/20/21 14:02 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:49	04/28/21 23:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:49	04/28/21 23:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:49	04/28/21 23:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/28/21 09:49	04/28/21 23:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:49	04/28/21 23:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/28/21 09:49	04/28/21 23:48	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/28/21 09:49	04/28/21 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/28/21 09:49*	*04/28/21 23:48*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/28/21 09:49*	*04/28/21 23:48*	*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		04/28/21 10:09	04/30/21 01:42	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-203 Lab Sample ID: 880-1584-203

Date Collected: 04/20/21 14:02 **Matrix: Solid**
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/30/21 01:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/30/21 01:42	1
Total TPH	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/30/21 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/28/21 10:09*	*04/30/21 01:42*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/28/21 10:09*	*04/30/21 01:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.1**		5.04		mg/Kg			04/29/21 16:59	1

Client Sample ID: C-204 Lab Sample ID: 880-1584-204

Date Collected: 04/20/21 14:03 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 00:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 00:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 00:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/21 09:49	04/29/21 00:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 00:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/21 09:49	04/29/21 00:13	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/28/21 09:49	04/29/21 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*04/28/21 09:49*	*04/29/21 00:13*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*04/28/21 09:49*	*04/29/21 00:13*	*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		04/28/21 10:09	04/30/21 02:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 02:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 02:04	1
Total TPH	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 02:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*04/28/21 10:09*	*04/30/21 02:04*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/28/21 10:09*	*04/30/21 02:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**		5.05		mg/Kg			04/29/21 17:04	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-205

Lab Sample ID: 880-1584-205
Matrix: Solid
Date Collected: 04/20/21 14:04
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 00:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 00:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 00:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/29/21 00:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 00:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/29/21 00:38	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/29/21 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*04/28/21 09:49*	*04/29/21 00:38*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/28/21 09:49*	*04/29/21 00:38*	*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		04/28/21 10:09	04/30/21 02:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 02:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 02:47	1
Total TPH	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/28/21 10:09*	*04/30/21 02:47*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/28/21 10:09*	*04/30/21 02:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**114**	**F1**	4.98		mg/Kg			04/29/21 17:10	1

Client Sample ID: C-206

Lab Sample ID: 880-1584-206
Matrix: Solid
Date Collected: 04/20/21 14:05
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 01:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 01:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 01:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/29/21 01:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 01:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/29/21 01:03	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/28/21 09:49	04/29/21 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/28/21 09:49*	*04/29/21 01:03*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/28/21 09:49*	*04/29/21 01:03*	*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		04/28/21 10:09	04/30/21 03:08	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-206

Lab Sample ID: 880-1584-206
Matrix: Solid
Date Collected: 04/20/21 14:05
Date Received: 04/26/21 10:04

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 03:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 03:08	1
Total TPH	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*04/28/21 10:09*	*04/30/21 03:08*	*1*
o-Terphenyl	*117*		*70 - 130*	*04/28/21 10:09*	*04/30/21 03:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**524**		5.04		mg/Kg			04/29/21 17:26	1

Client Sample ID: C-207

Lab Sample ID: 880-1584-207
Matrix: Solid
Date Collected: 04/20/21 14:06
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:49	04/29/21 01:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:49	04/29/21 01:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:49	04/29/21 01:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/28/21 09:49	04/29/21 01:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/28/21 09:49	04/29/21 01:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/28/21 09:49	04/29/21 01:28	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/28/21 09:49	04/29/21 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/28/21 09:49*	*04/29/21 01:28*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/28/21 09:49*	*04/29/21 01:28*	*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		04/28/21 10:09	04/30/21 03:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 03:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 03:29	1
Total TPH	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/30/21 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*04/28/21 10:09*	*04/30/21 03:29*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/28/21 10:09*	*04/30/21 03:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**394**		4.97		mg/Kg			04/29/21 17:31	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-208 Lab Sample ID: 880-1584-208

Date Collected: 04/20/21 14:07 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 01:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 01:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 01:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/21 09:49	04/29/21 01:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/29/21 01:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/21 09:49	04/29/21 01:53	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/28/21 09:49	04/29/21 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*04/28/21 09:49*	*04/29/21 01:53*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/28/21 09:49*	*04/29/21 01:53*	*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		04/28/21 10:09	04/30/21 03:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/30/21 03:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/30/21 03:50	1
Total TPH	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/30/21 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*04/28/21 10:09*	*04/30/21 03:50*	*1*
o-Terphenyl	*111*		*70 - 130*	*04/28/21 10:09*	*04/30/21 03:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	498		4.95		mg/Kg			04/29/21 17:47	1

Client Sample ID: C-209 Lab Sample ID: 880-1584-209

Date Collected: 04/20/21 14:08 **Matrix: Solid**
Date Received: 04/26/21 10:04

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/28/21 09:49	04/29/21 02:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/28/21 09:49	04/29/21 02:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/28/21 09:49	04/29/21 02:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/28/21 09:49	04/29/21 02:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/28/21 09:49	04/29/21 02:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/28/21 09:49	04/29/21 02:19	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/28/21 09:49	04/29/21 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*04/28/21 09:49*	*04/29/21 02:19*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*04/28/21 09:49*	*04/29/21 02:19*	*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		04/28/21 10:09	04/30/21 04:12	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Client Sample ID: C-209
Date Collected: 04/20/21 14:08
Date Received: 04/26/21 10:04

Lab Sample ID: 880-1584-209
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/30/21 04:12	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/30/21 04:12	1
Total TPH	<49.9	U	49.9		mg/Kg		04/28/21 10:09	04/30/21 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/28/21 10:09*	*04/30/21 04:12*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/28/21 10:09*	*04/30/21 04:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**204**		5.05		mg/Kg			04/29/21 17:53	1

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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)										
880-1584-25	C-25	99	96										
880-1584-25 MS	C-25	109	101										
880-1584-25 MSD	C-25	116	101										
880-1584-26	C-26	101	91										
880-1584-27	C-27	100	90										
880-1584-28	C-28	100	90										
880-1584-29	C-29	98	91										
880-1584-30	C-30	101	94										
880-1584-31	C-31	101	92										
880-1584-32	C-32	108	98										
880-1584-33	C-33	114	96										
880-1584-34	C-34	116	93										
880-1584-37	C-37	95	86										
880-1584-38	C-38	111	88										
880-1584-39	C-39	109	92										
880-1584-40	C-40	107	90										
880-1584-41	C-41	103	91										
880-1584-42	C-42	105	91										
880-1584-43	C-43	106	92										
880-1584-44	C-44	94	91										
880-1584-44 MS	C-44	114	103										
880-1584-44 MSD	C-44	120	99										
880-1584-45	C-45	103	96										
880-1584-46	C-46	97	93										
880-1584-47	C-47	95	92										
880-1584-48	C-48	94	92										
880-1584-49	C-49	95	93										
880-1584-50	C-50	89	95										
880-1584-51	C-51	98	92										
880-1584-52	C-52	92	89										
880-1584-53	C-53	91	89										
880-1584-54	C-54	96	91										
880-1584-55	C-55	101	94										
880-1584-56	C-56	96	91										
880-1584-57	C-57	89	93										
880-1584-58	C-58	97	91										
880-1584-59	C-59	99	93										
880-1584-60	C-60	102	66 S1-										
880-1584-61	C-61	96	91										
880-1584-62	C-62	99	94										
880-1584-63	C-63	92	91										
880-1584-64	C-64	106	113										
880-1584-64 MS	C-64	115	95										
880-1584-64 MSD	C-64	94	101										
880-1584-65	C-65	108	96										
880-1584-66	C-66	100	107										
880-1584-67	C-67	96	109										
880-1584-68	C-68	108	93										
880-1584-69	C-69	104	109										

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)								
880-1584-70	C-70	105	108								
880-1584-71	C-71	98	103								
880-1584-72	C-72	105	103								
880-1584-73	C-73	111	113								
880-1584-74	C-74	97	106								
880-1584-75	C-75	108	101								
880-1584-76	C-76	115	118								
880-1584-77	C-77	110	110								
880-1584-78	C-78	104	95								
880-1584-79	C-79	109	123								
880-1584-80	C-80	118	114								
880-1584-81	C-81	221 S1+	96								
880-1584-82	C-82	116	103								
880-1584-83	C-83	99	116								
880-1584-84	C-84	107	117								
880-1584-85	C-85	104	123								
880-1584-86	C-86	92	99								
880-1584-91	C-91	115	127								
880-1584-92	C-92	109	126								
880-1584-93	C-93	97	94								
880-1584-94	C-94	428 S1+	131 S1+								
880-1584-98	C-98	111	105								
880-1584-99	C-99	132 S1+	77								
880-1584-100	C-100	255 S1+	169 S1+								
880-1584-101	C-101	100	112								
880-1584-102	C-102	127	143 S1+								
880-1584-103	C-103	115	100								
880-1584-104	C-104	93	113								
880-1584-105	C-105	99	113								
880-1584-106	C-106	114	114								
880-1584-107	C-107	104	122								
880-1584-108	C-108	113	114								
880-1584-109	C-109	122	93								
880-1584-110	C-110	105	105								
880-1584-111	C-111	101	119								
880-1584-111 MS	C-111	91	108								
880-1584-111 MSD	C-111	95	110								
880-1584-112	C-112	102	114								
880-1584-113	C-113	109	135 S1+								
880-1584-114	C-114	121	109								
880-1584-115	C-115	97	112								
880-1584-116	C-116	103	114								
880-1584-117	C-117	108	118								
880-1584-118	C-118	109	116								
880-1584-119	C-119	103	119								
880-1584-120	C-120	101	122								
880-1584-121	C-121	102	118								
880-1584-122	C-122	106	115								
880-1584-123	C-123	105	124								
880-1584-124	C-124	103	115								

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)								
880-1584-125	C-125	110	123								
880-1584-126	C-126	110	123								
880-1584-127	C-127	97	122								
880-1584-128	C-128	97	117								
880-1584-129	C-129	105	123								
880-1584-130	C-130	100	123								
880-1584-131	C-131	101	102								
880-1584-131 MS	C-131	106	104								
880-1584-131 MSD	C-131	108	14 S1-								
880-1584-132	C-132	103	107								
880-1584-133	C-133	106	105								
880-1584-134	C-134	108	107								
880-1584-135	C-135	105	99								
880-1584-135 MS	C-135	116	108								
880-1584-135 MSD	C-135	117	103								
880-1584-136	C-136	125	78								
880-1584-137	C-137	137 S1+	105								
880-1584-138	C-138	132 S1+	103								
880-1584-139	C-139	141 S1+	102								
880-1584-140	C-140	127	108								
880-1584-141	C-141	143 S1+	93								
880-1584-142	C-142	117	111								
880-1584-143	C-143	111	102								
880-1584-144	C-144	112	109								
880-1584-145	C-145	122	105								
880-1584-146	C-146	106	105								
880-1584-147	C-147	92	93								
880-1584-147 MS	C-147	118	98								
880-1584-147 MSD	C-147	117	97								
880-1584-148	C-148	94	93								
880-1584-149	C-149	98	90								
880-1584-150	C-150	93	91								
880-1584-151	C-151	98	92								
880-1584-152	C-152	97	92								
880-1584-153	C-153	99	90								
880-1584-154	C-154	98	91								
880-1584-155	C-155	99	91								
880-1584-156	C-156	100	89								
880-1584-157	C-157	99	93								
880-1584-158	C-158	99	92								
880-1584-159	C-159	97	89								
880-1584-160	C-160	99	91								
880-1584-161	C-161	287 S1+	265 S1+								
880-1584-162	C-162	102	91								
880-1584-163	C-163	94	105								
880-1584-163 MS	C-163	100	107								
880-1584-163 MSD	C-163	90	110								
880-1584-164	C-164	102	122								
880-1584-165	C-165	102	118								
880-1584-166	C-166	97	112								

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)								
880-1584-167	C-167	96	97								
880-1584-168	C-168	124	137 S1+								
880-1584-169	C-169	99	121								
880-1584-170	C-170	115	96								
880-1584-171	C-171	105	95								
880-1584-172	C-172	101	91								
880-1584-172 MS	C-172	106	103								
880-1584-172 MSD	C-172	112	102								
880-1584-173	C-173	95	112								
880-1584-174	C-174	100	115								
880-1584-175	C-175	94	113								
880-1584-176	C-176	108	122								
880-1584-177	C-177	109	120								
880-1584-178	C-178	105	118								
880-1584-179	C-179	97	111								
880-1584-180	C-180	102	119								
880-1584-181	C-181	99	115								
880-1584-182	C-182	100	113								
880-1584-183	C-183	98	112								
880-1584-183 MS	C-183	90	108								
880-1584-183 MSD	C-183	92	100								
880-1584-184	C-184	104	118								
880-1584-185	C-185	105	113								
880-1584-186	C-186	102	114								
880-1584-187	C-187	98	112								
880-1584-188	C-188	102	118								
880-1584-189	C-189	104	120								
880-1584-190	C-190	107	131 S1+								
880-1584-191	C-191	103	109								
880-1584-192	C-192	103	117								
880-1584-193	C-193	108	120								
880-1584-194	C-194	99	109								
880-1584-195	C-195	104	114								
880-1584-196	C-196	103	111								
880-1584-197	C-197	101	112								
880-1584-198	C-198	104	112								
880-1584-199	C-199	112	119								
880-1584-200	C-200	94	118								
880-1584-201	C-201	98	114								
880-1584-202	C-202	94	112								
880-1584-203	C-203	112	110								
880-1584-204	C-204	117	115								
880-1584-205	C-205	121	113								
880-1584-206	C-206	112	111								
880-1584-207	C-207	113	98								
880-1584-208	C-208	124	109								
880-1584-209	C-209	91	69 S1-								
LCS 880-2333/1-A	Lab Control Sample	110	103								
LCS 880-2334/1-A	Lab Control Sample	92	104								
LCS 880-2335/1-A	Lab Control Sample	85	98								

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-2336/1-A	Lab Control Sample	91	109
LCS 880-2342/1-A	Lab Control Sample	116	102
LCS 880-2378/1-A	Lab Control Sample	100	107
LCS 880-2385/1-A	Lab Control Sample	109	97
LCS 880-2392/1-A	Lab Control Sample	95	109
LCS 880-2399/1-A	Lab Control Sample	90	105
LCS 880-2428/1-A	Lab Control Sample	109	105
LCS 880-2452/1-A	Lab Control Sample	114	102
LCS 880-2456/1-A	Lab Control Sample	111	102
LCSD 880-2333/2-A	Lab Control Sample Dup	105	103
LCSD 880-2334/2-A	Lab Control Sample Dup	92	103
LCSD 880-2335/2-A	Lab Control Sample Dup	100	110
LCSD 880-2336/2-A	Lab Control Sample Dup	101	111
LCSD 880-2342/2-A	Lab Control Sample Dup	113	104
LCSD 880-2378/2-A	Lab Control Sample Dup	100	105
LCSD 880-2385/2-A	Lab Control Sample Dup	108	97
LCSD 880-2392/2-A	Lab Control Sample Dup	90	102
LCSD 880-2399/2-A	Lab Control Sample Dup	90	97
LCSD 880-2428/2-A	Lab Control Sample Dup	103	100
LCSD 880-2452/2-A	Lab Control Sample Dup	110	102
LCSD 880-2456/2-A	Lab Control Sample Dup	114	104
MB 880-2209/5-A	Method Blank	96	91
MB 880-2333/5-A	Method Blank	92	92
MB 880-2334/5-A	Method Blank	107	91
MB 880-2335/5-A	Method Blank	101	88
MB 880-2336/5-A	Method Blank	114	98
MB 880-2342/5-A	Method Blank	91	90
MB 880-2378/5-A	Method Blank	99	102
MB 880-2385/5-A	Method Blank	89	88
MB 880-2392/5-A	Method Blank	106	92
MB 880-2399/5-A	Method Blank	114	101
MB 880-2417/5-A	Method Blank	89	92
MB 880-2420/5-A	Method Blank	113	101
MB 880-2428/5-A	Method Blank	70	93
MB 880-2452/5-A	Method Blank	95	92
MB 880-2456/5-A	Method Blank	90	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
880-1584-84 MS	C-84		
880-1584-84 MSD	C-84		

Surrogate Legend

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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)										
880-1584-25	C-25	110	121										
880-1584-25 MS	C-25	110	104										
880-1584-25 MSD	C-25	105	100										
880-1584-26	C-26	103	119										
880-1584-27	C-27	108	121										
880-1584-28	C-28	102	110										
880-1584-29	C-29	102	119										
880-1584-30	C-30	106	119										
880-1584-31	C-31	101	111										
880-1584-32	C-32	103	110										
880-1584-33	C-33	104	116										
880-1584-34	C-34	106	118										
880-1584-37	C-37	103	106										
880-1584-38	C-38	105	118										
880-1584-39	C-39	112	127										
880-1584-40	C-40	105	114										
880-1584-41	C-41	102	110										
880-1584-42	C-42	110	122										
880-1584-43	C-43	103	115										
880-1584-44	C-44	110	119										
880-1584-45	C-45	103	111										
880-1584-46	C-46	105	117										
880-1584-47	C-47	100	90										
880-1584-47 MS	C-47	101	83										
880-1584-47 MSD	C-47	100	80										
880-1584-48	C-48	106	95										
880-1584-49	C-49	103	94										
880-1584-50	C-50	126	114										
880-1584-51	C-51	100	93										
880-1584-52	C-52	99	90										
880-1584-53	C-53	100	91										
880-1584-54	C-54	102	94										
880-1584-55	C-55	109	100										
880-1584-56	C-56	100	90										
880-1584-57	C-57	107	91										
880-1584-58	C-58	117	103										
880-1584-59	C-59	89	79										
880-1584-60	C-60	88	76										
880-1584-61	C-61	92	81										
880-1584-62	C-62	120	105										
880-1584-63	C-63	105	94										
880-1584-64	C-64	97	87										
880-1584-65	C-65	84	73										
880-1584-66	C-66	90	81										
880-1584-67	C-67	119	129										
880-1584-67 MS	C-67	110	102										
880-1584-67 MSD	C-67	115	113										

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-1584-68	C-68	114	126								
880-1584-69	C-69	116	119								
880-1584-70	C-70	116	125								
880-1584-71	C-71	112	126								
880-1584-72	C-72	114	126								
880-1584-73	C-73	114	120								
880-1584-74	C-74	110	116								
880-1584-75	C-75	103	114								
880-1584-76	C-76	127	135 S1+								
880-1584-77	C-77	110	123								
880-1584-78	C-78	109	119								
880-1584-79	C-79	114	122								
880-1584-80	C-80	112	124								
880-1584-81	C-81	116	135 S1+								
880-1584-82	C-82	110	121								
880-1584-83	C-83	114	123								
880-1584-84	C-84	111	116								
880-1584-85	C-85	109	121								
880-1584-86	C-86	106	115								
880-1584-91	C-91	109	109								
880-1584-91 MS	C-91	107	94								
880-1584-91 MSD	C-91	109	97								
880-1584-92	C-92	108	107								
880-1584-93	C-93	103	102								
880-1584-94	C-94	105	101								
880-1584-98	C-98	103	100								
880-1584-99	C-99	103	101								
880-1584-100	C-100	104	101								
880-1584-101	C-101	105	103								
880-1584-102	C-102	108	103								
880-1584-103	C-103	107	102								
880-1584-104	C-104	108	108								
880-1584-105	C-105	108	109								
880-1584-106	C-106	112	107								
880-1584-107	C-107	108	106								
880-1584-108	C-108	108	105								
880-1584-109	C-109	118	118								
880-1584-110	C-110	113	109								
880-1584-111	C-111	100	102								
880-1584-112	C-112	98	97								
880-1584-113	C-113	99	97								
880-1584-114	C-114	93	84								
880-1584-114 MS	C-114	108	88								
880-1584-114 MSD	C-114	84	71								
880-1584-115	C-115	92	83								
880-1584-116	C-116	116	100								
880-1584-117	C-117	91	81								
880-1584-118	C-118	91	82								
880-1584-119	C-119	95	85								
880-1584-120	C-120	96	87								

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-1584-121	C-121	104	92								
880-1584-122	C-122	98	88								
880-1584-123	C-123	96	87								
880-1584-124	C-124	104	93								
880-1584-125	C-125	107	93								
880-1584-126	C-126	106	92								
880-1584-127	C-127	92	83								
880-1584-128	C-128	95	87								
880-1584-129	C-129	109	95								
880-1584-130	C-130	77	67 S1-								
880-1584-131	C-131	94	83								
880-1584-132	C-132	100	86								
880-1584-133	C-133	88	79								
880-1584-134	C-134	109	111								
880-1584-134 MS	C-134	115	105								
880-1584-134 MSD	C-134	119	108								
880-1584-135	C-135	111	113								
880-1584-136	C-136	135 S1+	148 S1+								
880-1584-137	C-137	119	127								
880-1584-138	C-138	121	133 S1+								
880-1584-139	C-139	119	132 S1+								
880-1584-140	C-140	102	112								
880-1584-141	C-141	104	116								
880-1584-142	C-142	118	127								
880-1584-143	C-143	104	117								
880-1584-144	C-144	122	132 S1+								
880-1584-145	C-145	105	115								
880-1584-146	C-146	109	115								
880-1584-147	C-147	121	127								
880-1584-148	C-148	108	118								
880-1584-149	C-149	106	109								
880-1584-150	C-150	124	130								
880-1584-151	C-151	106	113								
880-1584-152	C-152	107	110								
880-1584-153	C-153	118	115								
880-1584-154	C-154	111	119								
880-1584-154 MS	C-154	114	108								
880-1584-154 MSD	C-154	116	108								
880-1584-155	C-155	106	115								
880-1584-156	C-156	108	116								
880-1584-157	C-157	104	111								
880-1584-158	C-158	110	120								
880-1584-159	C-159	110	119								
880-1584-160	C-160	110	119								
880-1584-161	C-161	113	123								
880-1584-162	C-162	108	119								
880-1584-163	C-163	116	125								
880-1584-164	C-164	114	125								
880-1584-165	C-165	113	122								
880-1584-166	C-166	112	122								

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-1584-167	C-167	117	128								
880-1584-168	C-168	109	120								
880-1584-169	C-169	111	123								
880-1584-170	C-170	108	116								
880-1584-171	C-171	110	123								
880-1584-172	C-172	108	119								
880-1584-173	C-173	116	127								
880-1584-174	C-174	125	127								
880-1584-174 MS	C-174	129	114								
880-1584-174 MSD	C-174	139 S1+	128								
880-1584-175	C-175	142 S1+	146 S1+								
880-1584-176	C-176	117	126								
880-1584-177	C-177	125	127								
880-1584-178	C-178	129	136 S1+								
880-1584-179	C-179	130	134 S1+								
880-1584-180	C-180	144 S1+	148 S1+								
880-1584-181	C-181	153 S1+	156 S1+								
880-1584-182	C-182	123	125								
880-1584-183	C-183	131 S1+	128								
880-1584-184	C-184	126	124								
880-1584-185	C-185	130	127								
880-1584-186	C-186	99	93								
880-1584-187	C-187	126	128								
880-1584-188	C-188	80	73								
880-1584-189	C-189	70	65 S1-								
880-1584-190	C-190	95	83								
880-1584-191	C-191	100	92								
880-1584-192	C-192	109	102								
880-1584-193	C-193	141 S1+	136 S1+								
880-1584-194	C-194	114	103								
880-1584-194 MS	C-194	119	98								
880-1584-194 MSD	C-194	103	89								
880-1584-195	C-195	115	103								
880-1584-196	C-196	113	98								
880-1584-197	C-197	117	102								
880-1584-198	C-198	119	114								
880-1584-199	C-199	119	111								
880-1584-200	C-200	119	114								
880-1584-201	C-201	130	128								
880-1584-202	C-202	122	122								
880-1584-203	C-203	116	115								
880-1584-204	C-204	122	116								
880-1584-205	C-205	116	114								
880-1584-206	C-206	118	117								
880-1584-207	C-207	118	110								
880-1584-208	C-208	113	111								
880-1584-209	C-209	116	116								
880-1660-A-1-C MS	Matrix Spike	124	111								
880-1660-A-1-D MSD	Matrix Spike Duplicate	122	111								
890-589-A-1-E MS	Matrix Spike	111	96								

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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)								
890-589-A-1-F MSD	Matrix Spike Duplicate	103	88								
LCS 880-2329/2-A	Lab Control Sample	109	112								
LCS 880-2330/2-A	Lab Control Sample	109	96								
LCS 880-2331/2-A	Lab Control Sample	113	111								
LCS 880-2332/2-A	Lab Control Sample	116	106								
LCS 880-2367/2-A	Lab Control Sample	107	95								
LCS 880-2368/2-A	Lab Control Sample	129	125								
LCS 880-2373/2-A	Lab Control Sample	107	110								
LCS 880-2376/2-A	Lab Control Sample	117	112								
LCS 880-2377/2-A	Lab Control Sample	130	113								
LCS 880-2430/2-A	Lab Control Sample	115	108								
LCS 880-2505/2-A	Lab Control Sample	113	96								
LCSD 880-2329/3-A	Lab Control Sample Dup	112	121								
LCSD 880-2330/3-A	Lab Control Sample Dup	108	92								
LCSD 880-2331/3-A	Lab Control Sample Dup	115	120								
LCSD 880-2332/3-A	Lab Control Sample Dup	115	108								
LCSD 880-2367/3-A	Lab Control Sample Dup	112	97								
LCSD 880-2368/3-A	Lab Control Sample Dup	126	124								
LCSD 880-2373/3-A	Lab Control Sample Dup	113	117								
LCSD 880-2376/3-A	Lab Control Sample Dup	115	113								
LCSD 880-2377/3-A	Lab Control Sample Dup	110	100								
LCSD 880-2430/3-A	Lab Control Sample Dup	111	106								
LCSD 880-2505/3-A	Lab Control Sample Dup	111	96								
MB 880-2329/1-A	Method Blank	113	130								
MB 880-2330/1-A	Method Blank	108	111								
MB 880-2331/1-A	Method Blank	111	128								
MB 880-2332/1-A	Method Blank	108	114								
MB 880-2367/1-A	Method Blank	107	101								
MB 880-2368/1-A	Method Blank	130	138 S1+								
MB 880-2373/1-A	Method Blank	104	120								
MB 880-2376/1-A	Method Blank	109	122								
MB 880-2377/1-A	Method Blank	114	108								
MB 880-2430/1-A	Method Blank	111	109								
MB 880-2505/1-A	Method Blank	107	100								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2209/5-A
Matrix: Solid
Analysis Batch: 2286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2209

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/23/21 11:53	04/26/21 12:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/21 11:53	04/26/21 12:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/21 11:53	04/26/21 12:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/23/21 11:53	04/26/21 12:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/21 11:53	04/26/21 12:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/23/21 11:53	04/26/21 12:11	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/23/21 11:53	04/26/21 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/23/21 11:53*	*04/26/21 12:11*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/23/21 11:53*	*04/26/21 12:11*	*1*

Lab Sample ID: MB 880-2333/5-A
Matrix: Solid
Analysis Batch: 2375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2333

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 13:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 13:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 13:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/27/21 13:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:20	04/27/21 13:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/27/21 13:05	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:20	04/27/21 13:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*04/26/21 15:20*	*04/27/21 13:05*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/26/21 15:20*	*04/27/21 13:05*	*1*

Lab Sample ID: LCS 880-2333/1-A
Matrix: Solid
Analysis Batch: 2375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2333

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08875		mg/Kg		89	70 - 130		
Toluene			0.100	0.08432		mg/Kg		84	70 - 130		
Ethylbenzene			0.100	0.08854		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1893		mg/Kg		95	70 - 130		
o-Xylene			0.100	0.09599		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: LCSD 880-2333/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2375 **Prep Batch: 2333**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09579		mg/Kg		96	70 - 130	8	35
Toluene			0.100	0.09103		mg/Kg		91	70 - 130	8	35
Ethylbenzene			0.100	0.09452		mg/Kg		95	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.2020		mg/Kg		101	70 - 130	7	35
o-Xylene			0.100	0.1023		mg/Kg		102	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-1584-44 MS **Client Sample ID: C-44**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2375 **Prep Batch: 2333**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.101	0.09315		mg/Kg		93	70 - 130
Toluene	<0.00198	U	0.101	0.08970		mg/Kg		89	70 - 130
Ethylbenzene	<0.00198	U	0.101	0.09373		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.201	0.1999		mg/Kg		99	70 - 130
o-Xylene	<0.00198	U	0.101	0.1018		mg/Kg		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-1584-44 MSD **Client Sample ID: C-44**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2375 **Prep Batch: 2333**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0996	0.07918		mg/Kg		79	70 - 130	16	35
Toluene	<0.00198	U	0.0996	0.07986		mg/Kg		80	70 - 130	12	35
Ethylbenzene	<0.00198	U	0.0996	0.08564		mg/Kg		86	70 - 130	9	35
m-Xylene & p-Xylene	<0.00396	U	0.199	0.1834		mg/Kg		92	70 - 130	9	35
o-Xylene	<0.00198	U	0.0996	0.09463		mg/Kg		95	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-2334/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2432 **Prep Batch: 2334**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.002003		0.00200		mg/Kg		04/26/21 15:24	04/29/21 00:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 00:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 00:45	1

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: MB 880-2334/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2432 **Prep Batch: 2334**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:24	04/29/21 00:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:24	04/29/21 00:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:24	04/29/21 00:45	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:24	04/29/21 00:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*04/26/21 15:24*	*04/29/21 00:45*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 15:24*	*04/29/21 00:45*	*1*

Lab Sample ID: LCS 880-2334/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2432 **Prep Batch: 2334**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.06016	*-	mg/Kg		60	70 - 130		
Toluene			0.100	0.07250		mg/Kg		73	70 - 130		
Ethylbenzene			0.100	0.07007		mg/Kg		70	70 - 130		
m-Xylene & p-Xylene			0.200	0.1448		mg/Kg		72	70 - 130		
o-Xylene			0.100	0.07533		mg/Kg		75	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-2334/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2432 **Prep Batch: 2334**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.06366	*-	mg/Kg		64	70 - 130	6	35
Toluene			0.100	0.07436		mg/Kg		74	70 - 130	3	35
Ethylbenzene			0.100	0.07703		mg/Kg		77	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.1557		mg/Kg		78	70 - 130	7	35
o-Xylene			0.100	0.07986		mg/Kg		80	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-1584-64 MS **Client Sample ID: C-64**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2432 **Prep Batch: 2334**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00202	U F2 *- F1	0.100	0.007080	F1	mg/Kg		6	70 - 130		
Toluene	<0.00202	U F2 F1	0.100	0.01054	F1	mg/Kg		11	70 - 130		
Ethylbenzene	<0.00202	U F2 F1	0.100	0.01204	F1	mg/Kg		12	70 - 130		
m-Xylene & p-Xylene	<0.00403	U F2 F1	0.200	0.02184	F1	mg/Kg		11	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: 880-1584-64 MS — **Client Sample ID: C-64**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2432 — **Prep Batch: 2334**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	<0.00202	U F2 F1	0.100	0.02228	F1	mg/Kg		22	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-1584-64 MSD — **Client Sample ID: C-64**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2432 — **Prep Batch: 2334**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U F2 *- F1	0.0994	0.02991	F2 F1	mg/Kg		29	70 - 130	123	35
Toluene	<0.00202	U F2 F1	0.0994	0.03701	F2 F1	mg/Kg		37	70 - 130	111	35
Ethylbenzene	<0.00202	U F2 F1	0.0994	0.04200	F2 F1	mg/Kg		42	70 - 130	111	35
m-Xylene & p-Xylene	<0.00403	U F2 F1	0.199	0.07836	F2 F1	mg/Kg		39	70 - 130	113	35
o-Xylene	<0.00202	U F2 F1	0.0994	0.04897	F2 F1	mg/Kg		49	70 - 130	75	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-2335/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2379 — **Prep Batch: 2335**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/26/21 15:30	04/27/21 14:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 15:30	04/27/21 14:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 15:30	04/27/21 14:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/26/21 15:30	04/27/21 14:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 15:30	04/27/21 14:50	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/26/21 15:30	04/27/21 14:50	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		04/26/21 15:30	04/27/21 14:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/26/21 15:30*	*04/27/21 14:50*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/26/21 15:30*	*04/27/21 14:50*	*1*

Lab Sample ID: LCS 880-2335/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2379 — **Prep Batch: 2335**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07441		mg/Kg		74	70 - 130
Toluene	0.100	0.08868		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08993		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1866		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09231		mg/Kg		92	70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-2335/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2379 **Prep Batch: 2335**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08373		mg/Kg		84	70 - 130	12	35
Toluene			0.100	0.09860		mg/Kg		99	70 - 130	11	35
Ethylbenzene			0.100	0.1042		mg/Kg		104	70 - 130	15	35
m-Xylene & p-Xylene			0.200	0.2048		mg/Kg		102	70 - 130	9	35
o-Xylene			0.100	0.1022		mg/Kg		102	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-1584-84 MS **Client Sample ID: C-84**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2379 **Prep Batch: 2335**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.0996	0.06665		mg/Kg			
Toluene	<0.00199	U	0.0996	0.07356		mg/Kg			
Ethylbenzene	<0.00199	U	0.0996	0.07033		mg/Kg			
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1508		mg/Kg			
o-Xylene	<0.00199	U	0.0996	0.06975		mg/Kg			

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: 880-1584-84 MSD **Client Sample ID: C-84**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2379 **Prep Batch: 2335**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0992	0.06837		mg/Kg					
Toluene	<0.00199	U	0.0992	0.07478		mg/Kg					
Ethylbenzene	<0.00199	U	0.0992	0.06936		mg/Kg					
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1416		mg/Kg					
o-Xylene	<0.00199	U	0.0992	0.07524		mg/Kg					

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: MB 880-2336/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2379 **Prep Batch: 2336**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 01:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 01:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 01:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:34	04/28/21 01:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:34	04/28/21 01:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:34	04/28/21 01:50	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:34	04/28/21 01:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/26/21 15:34*	*04/28/21 01:50*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/26/21 15:34*	*04/28/21 01:50*	*1*

Lab Sample ID: LCS 880-2336/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2379 **Prep Batch: 2336**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07242		mg/Kg		72	70 - 130		
Toluene			0.100	0.09117		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.08871		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1773		mg/Kg		89	70 - 130		
o-Xylene			0.100	0.08955		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-2336/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2379 **Prep Batch: 2336**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08610		mg/Kg		86	70 - 130	17	35
Toluene			0.100	0.09720		mg/Kg		97	70 - 130	6	35
Ethylbenzene			0.100	0.09086		mg/Kg		91	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1854		mg/Kg		93	70 - 130	4	35
o-Xylene			0.100	0.09584		mg/Kg		96	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-1584-111 MS **Client Sample ID: C-111**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2379 **Prep Batch: 2336**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U F1	0.0998	0.06769	F1	mg/Kg		68	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: 880-1584-111 MS — **Client Sample ID: C-111**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2379 — **Prep Batch: 2336**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00199	U	0.0998	0.07422		mg/Kg		74	70 - 130
Ethylbenzene	<0.00199	U F1	0.0998	0.06858	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1345	F1	mg/Kg		67	70 - 130
o-Xylene	<0.00199	U F1	0.0998	0.06674	F1	mg/Kg		67	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-1584-111 MSD — **Client Sample ID: C-111**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2379 — **Prep Batch: 2336**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0994	0.06500	F1	mg/Kg		65	70 - 130	4	35
Toluene	<0.00199	U	0.0994	0.07066		mg/Kg		71	70 - 130	5	35
Ethylbenzene	<0.00199	U F1	0.0994	0.06648	F1	mg/Kg		67	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1300	F1	mg/Kg		65	70 - 130	3	35
o-Xylene	<0.00199	U F1	0.0994	0.06476	F1	mg/Kg		65	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 880-2342/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2286 — **Prep Batch: 2342**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/26/21 23:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/26/21 23:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/26/21 23:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 16:08	04/26/21 23:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 16:08	04/26/21 23:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 16:08	04/26/21 23:02	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 16:08	04/26/21 23:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*04/26/21 16:08*	*04/26/21 23:02*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/26/21 16:08*	*04/26/21 23:02*	*1*

Lab Sample ID: LCS 880-2342/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2286 — **Prep Batch: 2342**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.1019		mg/Kg		102	70 - 130
Toluene			0.100	0.09773		mg/Kg		98	70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: LCS 880-2342/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2286 **Prep Batch: 2342**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylbenzene			0.100	0.1003		mg/Kg		100	70 - 130		
m-Xylene & p-Xylene			0.200	0.2147		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1106		mg/Kg		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-2342/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2286 **Prep Batch: 2342**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09599		mg/Kg		96	70 - 130	6	35
Toluene			0.100	0.08896		mg/Kg		89	70 - 130	9	35
Ethylbenzene			0.100	0.09141		mg/Kg		91	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.1943		mg/Kg		97	70 - 130	10	35
o-Xylene			0.100	0.09955		mg/Kg		100	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-1584-25 MS **Client Sample ID: C-25**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2286 **Prep Batch: 2342**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U	0.0992	0.08068		mg/Kg		81	70 - 130		
Toluene	<0.00198	U	0.0992	0.07465		mg/Kg		75	70 - 130		
Ethylbenzene	<0.00198	U	0.0992	0.07430		mg/Kg		75	70 - 130		
m-Xylene & p-Xylene	<0.00396	U	0.198	0.1547		mg/Kg		78	70 - 130		
o-Xylene	<0.00198	U	0.0992	0.07835		mg/Kg		79	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-1584-25 MSD **Client Sample ID: C-25**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2286 **Prep Batch: 2342**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.08846		mg/Kg		88	70 - 130	9	35
Toluene	<0.00198	U	0.100	0.08551		mg/Kg		86	70 - 130	14	35
Ethylbenzene	<0.00198	U	0.100	0.08777		mg/Kg		88	70 - 130	17	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1861		mg/Kg		93	70 - 130	18	35
o-Xylene	<0.00198	U	0.100	0.09460		mg/Kg		95	70 - 130	19	35

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-2378/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2381 **Prep Batch: 2378**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 10:20	04/27/21 17:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 10:20	04/27/21 17:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 10:20	04/27/21 17:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/21 10:20	04/27/21 17:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 10:20	04/27/21 17:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/21 10:20	04/27/21 17:48	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/27/21 10:20	04/27/21 17:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/27/21 10:20	04/27/21 17:48	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/27/21 10:20	04/27/21 17:48	1

Lab Sample ID: LCS 880-2378/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2381 **Prep Batch: 2378**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08217		mg/Kg		82	70 - 130		
Toluene			0.100	0.08595		mg/Kg		86	70 - 130		
Ethylbenzene			0.100	0.09124		mg/Kg		91	70 - 130		
m-Xylene & p-Xylene			0.200	0.1849		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.09285		mg/Kg		93	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-2378/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2381 **Prep Batch: 2378**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08657		mg/Kg		87	70 - 130	5	35
Toluene			0.100	0.09066		mg/Kg		91	70 - 130	5	35
Ethylbenzene			0.100	0.09810		mg/Kg		98	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1985		mg/Kg		99	70 - 130	7	35
o-Xylene			0.100	0.09896		mg/Kg		99	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: 880-1584-131 MS **Client Sample ID: C-131**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2381 **Prep Batch: 2378**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1 F2	0.0998	0.07431		mg/Kg		74	70 - 130
Toluene	<0.00200	U F1 F2	0.0998	0.07713		mg/Kg		77	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.0998	0.08117		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.1620		mg/Kg		81	70 - 130
o-Xylene	<0.00200	U F1 F2	0.0998	0.08047		mg/Kg		81	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-1584-131 MSD **Client Sample ID: C-131**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2381 **Prep Batch: 2378**

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	0.101	0.01596	F1 F2	mg/Kg		16	70 - 130	129	35
Toluene	<0.00200	U F1 F2	0.101	0.005437	F1 F2	mg/Kg		5	70 - 130	174	35
Ethylbenzene	<0.00200	U F1 F2	0.101	0.04808	F1 F2	mg/Kg		48	70 - 130	51	35
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.202	0.01466	F1 F2	mg/Kg		7	70 - 130	167	35
o-Xylene	<0.00200	U F1 F2	0.101	0.03571	F1 F2	mg/Kg		35	70 - 130	77	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*14*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-2385/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2445 **Prep Batch: 2385**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/27/21 13:10	04/29/21 01:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/27/21 13:10	04/29/21 01:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/27/21 13:10	04/29/21 01:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/27/21 13:10	04/29/21 01:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/27/21 13:10	04/29/21 01:18	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/27/21 13:10	04/29/21 01:18	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		04/27/21 13:10	04/29/21 01:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*04/27/21 13:10*	*04/29/21 01:18*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/27/21 13:10*	*04/29/21 01:18*	*1*

Lab Sample ID: LCS 880-2385/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2445 **Prep Batch: 2385**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07382		mg/Kg		74	70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: LCS 880-2385/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2445 **Prep Batch: 2385**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Toluene			0.100	0.07586		mg/Kg		76	70 - 130		
Ethylbenzene			0.100	0.08353		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene			0.200	0.1749		mg/Kg		87	70 - 130		
o-Xylene			0.100	0.09200		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-2385/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2445 **Prep Batch: 2385**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07629		mg/Kg		76	70 - 130	3	35
Toluene			0.100	0.07779		mg/Kg		78	70 - 130	3	35
Ethylbenzene			0.100	0.08518		mg/Kg		85	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1776		mg/Kg		89	70 - 130	2	35
o-Xylene			0.100	0.09308		mg/Kg		93	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-1584-147 MS **Client Sample ID: C-147**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2445 **Prep Batch: 2385**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F1	0.0990	0.06687	F1	mg/Kg		68	70 - 130		
Toluene	<0.00200	U	0.0990	0.06998		mg/Kg		70	70 - 130		
Ethylbenzene	<0.00200	U	0.0990	0.07438		mg/Kg		75	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.198	0.1527		mg/Kg		77	70 - 130		
o-Xylene	<0.00200	U	0.0990	0.07797		mg/Kg		79	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-2392/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2475 **Prep Batch: 2392**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.002017		0.00200		mg/Kg		04/27/21 13:36	04/29/21 13:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 13:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 13:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/21 13:36	04/29/21 13:09	1

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: MB 880-2392/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2475 **Prep Batch: 2392**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:36	04/29/21 13:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/21 13:36	04/29/21 13:09	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/27/21 13:36	04/29/21 13:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/27/21 13:36*	*04/29/21 13:09*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/27/21 13:36*	*04/29/21 13:09*	*1*

Lab Sample ID: LCS 880-2392/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2475 **Prep Batch: 2392**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09549		mg/Kg		95	70 - 130		
Toluene			0.100	0.1074		mg/Kg		107	70 - 130		
Ethylbenzene			0.100	0.1022		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2096		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1017		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-2392/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2475 **Prep Batch: 2392**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09165		mg/Kg		92	70 - 130	4	35
Toluene			0.100	0.1047		mg/Kg		105	70 - 130	3	35
Ethylbenzene			0.100	0.1005		mg/Kg		100	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1970		mg/Kg		98	70 - 130	6	35
o-Xylene			0.100	0.09566		mg/Kg		96	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-1584-163 MS **Client Sample ID: C-163**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2475 **Prep Batch: 2392**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U	0.0996	0.08840		mg/Kg		87	70 - 130		
Toluene	<0.00199	U	0.0996	0.09748		mg/Kg		98	70 - 130		
Ethylbenzene	<0.00199	U	0.0996	0.08816		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1829		mg/Kg		92	70 - 130		
o-Xylene	<0.00199	U	0.0996	0.08744		mg/Kg		88	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-1584-163 MSD — **Client Sample ID: C-163**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2475 — **Prep Batch: 2392**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0998	0.07986		mg/Kg		79	70 - 130	10	35
Toluene	<0.00199	U	0.0998	0.08472		mg/Kg		85	70 - 130	14	35
Ethylbenzene	<0.00199	U	0.0998	0.07954		mg/Kg		80	70 - 130	10	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1678		mg/Kg		84	70 - 130	9	35
o-Xylene	<0.00199	U	0.0998	0.07995		mg/Kg		80	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: MB 880-2399/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2475 — **Prep Batch: 2399**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 00:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 00:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 00:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/21 13:57	04/30/21 00:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/21 13:57	04/30/21 00:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/21 13:57	04/30/21 00:27	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/27/21 13:57	04/30/21 00:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/27/21 13:57	04/30/21 00:27	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/27/21 13:57	04/30/21 00:27	1

Lab Sample ID: LCS 880-2399/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 2475 — **Prep Batch: 2399**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08493		mg/Kg		85	70 - 130		
Toluene			0.100	0.1007		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.09307		mg/Kg		93	70 - 130		
m-Xylene & p-Xylene			0.200	0.1890		mg/Kg		94	70 - 130		
o-Xylene			0.100	0.09130		mg/Kg		91	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: LCSD 880-2399/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2475 **Prep Batch: 2399**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09349		mg/Kg		93	70 - 130	10	35
Toluene			0.100	0.09945		mg/Kg		99	70 - 130	1	35
Ethylbenzene			0.100	0.09558		mg/Kg		96	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1889		mg/Kg		94	70 - 130	0	35
o-Xylene			0.100	0.09340		mg/Kg		93	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-1584-183 MS **Client Sample ID: C-183**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2475 **Prep Batch: 2399**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1	0.0996	0.06861	F1	mg/Kg		69	70 - 130
Toluene	<0.00199	U	0.0996	0.07204		mg/Kg		72	70 - 130
Ethylbenzene	<0.00199	U F1	0.0996	0.06390	F1	mg/Kg		64	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1301	F1	mg/Kg		65	70 - 130
o-Xylene	<0.00199	U F1	0.0996	0.06245	F1	mg/Kg		63	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-1584-183 MSD **Client Sample ID: C-183**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2475 **Prep Batch: 2399**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0998	0.07037		mg/Kg		71	70 - 130	3	35
Toluene	<0.00199	U	0.0998	0.07500		mg/Kg		75	70 - 130	4	35
Ethylbenzene	<0.00199	U F1	0.0998	0.06747	F1	mg/Kg		68	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1407		mg/Kg		70	70 - 130	8	35
o-Xylene	<0.00199	U F1	0.0998	0.06892	F1	mg/Kg		69	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-2417/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2445 **Prep Batch: 2417**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 14:28	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

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

Lab Sample ID: MB 880-2417/5-A
Matrix: Solid
Analysis Batch: 2445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2417

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/21 09:00	04/28/21 14:28	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/28/21 09:00	04/28/21 14:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*04/28/21 09:00*	*04/28/21 14:28*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/28/21 09:00*	*04/28/21 14:28*	*1*

Lab Sample ID: MB 880-2420/5-A
Matrix: Solid
Analysis Batch: 2432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2420

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:08	04/28/21 13:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:08	04/28/21 13:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:08	04/28/21 13:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/21 09:08	04/28/21 13:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:08	04/28/21 13:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/21 09:08	04/28/21 13:48	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/28/21 09:08	04/28/21 13:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/28/21 09:08*	*04/28/21 13:48*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/28/21 09:08*	*04/28/21 13:48*	*1*

Lab Sample ID: MB 880-2428/5-A
Matrix: Solid
Analysis Batch: 2447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2428

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 17:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 17:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 17:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/21 09:49	04/28/21 17:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 09:49	04/28/21 17:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/21 09:49	04/28/21 17:02	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/28/21 09:49	04/28/21 17:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*04/28/21 09:49*	*04/28/21 17:02*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/28/21 09:49*	*04/28/21 17:02*	*1*

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: LCS 880-2428/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2447 **Prep Batch: 2428**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07906		mg/Kg		79	70 - 130		
Toluene			0.100	0.08193		mg/Kg		82	70 - 130		
Ethylbenzene			0.100	0.09551		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1670		mg/Kg		84	70 - 130		
o-Xylene			0.100	0.09683		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-2428/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2447 **Prep Batch: 2428**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07790		mg/Kg		78	70 - 130	1	35
Toluene			0.100	0.08303		mg/Kg		83	70 - 130	1	35
Ethylbenzene			0.100	0.09462		mg/Kg		95	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1686		mg/Kg		84	70 - 130	1	35
o-Xylene			0.100	0.09721		mg/Kg		97	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-1584-135 MS **Client Sample ID: C-135**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2447 **Prep Batch: 2428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F1	0.0998	0.06879	F1	mg/Kg		69	70 - 130		
Toluene	<0.00200	U	0.0998	0.07404		mg/Kg		74	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.07983		mg/Kg		80	70 - 130		
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1425		mg/Kg		71	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.08369		mg/Kg		84	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-1584-135 MSD **Client Sample ID: C-135**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2447 **Prep Batch: 2428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.07072		mg/Kg		71	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.07699		mg/Kg		77	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.08263		mg/Kg		82	70 - 130	3	35

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: 880-1584-135 MSD **Client Sample ID: C-135**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2447 **Prep Batch: 2428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1465		mg/Kg		73	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.08588		mg/Kg		86	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-1584-147 MSD **Client Sample ID: C-147**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2445

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-2452/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2480 **Prep Batch: 2452**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/21 11:00	04/30/21 02:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/21 11:00	04/30/21 02:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/21 11:00	04/30/21 02:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/29/21 11:00	04/30/21 02:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/21 11:00	04/30/21 02:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/29/21 11:00	04/30/21 02:01	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/29/21 11:00	04/30/21 02:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*04/29/21 11:00*	*04/30/21 02:01*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/29/21 11:00*	*04/30/21 02:01*	*1*

Lab Sample ID: LCS 880-2452/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2480 **Prep Batch: 2452**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1008		mg/Kg		101	70 - 130		
Toluene			0.100	0.09564		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.09683		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			0.200	0.2094		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1057		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: LCSD 880-2452/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2480 **Prep Batch: 2452**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1095		mg/Kg		109	70 - 130	8	35
Toluene			0.100	0.1032		mg/Kg		103	70 - 130	8	35
Ethylbenzene			0.100	0.1016		mg/Kg		102	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2171		mg/Kg		109	70 - 130	4	35
o-Xylene			0.100	0.1104		mg/Kg		110	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-1584-172 MS **Client Sample ID: C-172**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2480 **Prep Batch: 2452**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.0990	0.09127		mg/Kg		92	70 - 130
Toluene	<0.00198	U	0.0990	0.08253		mg/Kg		83	70 - 130
Ethylbenzene	<0.00198	U	0.0990	0.07388		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.198	0.1624		mg/Kg		82	70 - 130
o-Xylene	<0.00198	U	0.0990	0.08263		mg/Kg		83	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-1584-172 MSD **Client Sample ID: C-172**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2480 **Prep Batch: 2452**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0998	0.08715		mg/Kg		87	70 - 130	5	35
Toluene	<0.00198	U	0.0998	0.08080		mg/Kg		81	70 - 130	2	35
Ethylbenzene	<0.00198	U	0.0998	0.07265		mg/Kg		73	70 - 130	2	35
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1677		mg/Kg		84	70 - 130	3	35
o-Xylene	<0.00198	U	0.0998	0.08561		mg/Kg		86	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-2456/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2480 **Prep Batch: 2456**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 14:55	04/29/21 13:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 14:55	04/29/21 13:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 14:55	04/29/21 13:58	1

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: MB 880-2456/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2480 **Prep Batch: 2456**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/21 14:55	04/29/21 13:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 14:55	04/29/21 13:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/21 14:55	04/29/21 13:58	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/28/21 14:55	04/29/21 13:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*04/28/21 14:55*	*04/29/21 13:58*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/28/21 14:55*	*04/29/21 13:58*	*1*

Lab Sample ID: LCS 880-2456/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2480 **Prep Batch: 2456**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1181		mg/Kg		118	70 - 130		
Toluene			0.100	0.1133		mg/Kg		113	70 - 130		
Ethylbenzene			0.100	0.1146		mg/Kg		115	70 - 130		
m-Xylene & p-Xylene			0.200	0.2472		mg/Kg		124	70 - 130		
o-Xylene			0.100	0.1233		mg/Kg		123	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-2456/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2480 **Prep Batch: 2456**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1155		mg/Kg		115	70 - 130	2	35
Toluene			0.100	0.1097		mg/Kg		110	70 - 130	3	35
Ethylbenzene			0.100	0.1117		mg/Kg		112	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2408		mg/Kg		120	70 - 130	3	35
o-Xylene			0.100	0.1207		mg/Kg		121	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

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

Lab Sample ID: MB 880-2329/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2363 **Prep Batch: 2329**

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		04/26/21 14:12	04/27/21 09:48	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

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

Lab Sample ID: MB 880-2329/1-A
Matrix: Solid
Analysis Batch: 2363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2329

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 09:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 09:48	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:12	04/27/21 09:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*04/26/21 14:12*	*04/27/21 09:48*	*1*
o-Terphenyl	*130*		*70 - 130*	*04/26/21 14:12*	*04/27/21 09:48*	*1*

Lab Sample ID: LCS 880-2329/2-A
Matrix: Solid
Analysis Batch: 2363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2329

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1145		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1122		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Lab Sample ID: LCSD 880-2329/3-A
Matrix: Solid
Analysis Batch: 2363

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1143		mg/Kg		114	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1201		mg/Kg		120	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*121*		*70 - 130*

Lab Sample ID: 880-1584-25 MS
Matrix: Solid
Analysis Batch: 2363

Client Sample ID: C-25
Prep Type: Total/NA
Prep Batch: 2329

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	1255		mg/Kg		126	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1216		mg/Kg		122	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: 880-1584-25 MS **Client Sample ID: C-25**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2363 **Prep Batch: 2329**

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-1584-25 MSD **Client Sample ID: C-25**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2363 **Prep Batch: 2329**

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	1284		mg/Kg		129	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1175		mg/Kg		118	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: MB 880-2330/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2365 **Prep Batch: 2330**

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		04/26/21 14:47	04/27/21 09:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 09:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 09:48	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 14:47	04/27/21 09:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	04/26/21 14:47	04/27/21 09:48	1
o-Terphenyl	111		70 - 130	04/26/21 14:47	04/27/21 09:48	1

Lab Sample ID: LCS 880-2330/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2365 **Prep Batch: 2330**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1238		mg/Kg		124	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	977.2		mg/Kg		98	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	96		70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: LCSD 880-2330/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2365 **Prep Batch: 2330**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1364	*+	mg/Kg		136	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	970.0		mg/Kg		97	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 880-1584-47 MS **Client Sample ID: C-47**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2365 **Prep Batch: 2330**

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	1188		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1025		mg/Kg		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Lab Sample ID: 880-1584-47 MSD **Client Sample ID: C-47**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2365 **Prep Batch: 2330**

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	1202		mg/Kg		119	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1009		mg/Kg		101	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*80*		*70 - 130*

Lab Sample ID: MB 880-2331/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2423 **Prep Batch: 2331**

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		04/26/21 15:04	04/28/21 10:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 10:35	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 10:35	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:04	04/28/21 10:35	1

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: MB 880-2331/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2423 **Prep Batch: 2331**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	04/26/21 15:04	04/28/21 10:35	1
o-Terphenyl	128		70 - 130	04/26/21 15:04	04/28/21 10:35	1

Lab Sample ID: LCS 880-2331/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2423 **Prep Batch: 2331**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1290		mg/Kg		129	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1203		mg/Kg		120	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: LCSD 880-2331/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2423 **Prep Batch: 2331**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1182		mg/Kg		118	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	1227		mg/Kg		123	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: 880-1584-67 MS **Client Sample ID: C-67**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2423 **Prep Batch: 2331**

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	1280		mg/Kg		128	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1271		mg/Kg		127	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	102		70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: 880-1584-67 MSD **Client Sample ID: C-67**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2423 **Prep Batch: 2331**

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	1292		mg/Kg		129	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1395	F1	mg/Kg		140	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: MB 880-2332/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2466 **Prep Batch: 2332**

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		04/26/21 15:19	04/29/21 09:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 09:29	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 09:29	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 15:19	04/29/21 09:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/26/21 15:19*	*04/29/21 09:29*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/26/21 15:19*	*04/29/21 09:29*	*1*

Lab Sample ID: LCS 880-2332/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2466 **Prep Batch: 2332**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1089		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	978.9		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: LCSD 880-2332/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2466 **Prep Batch: 2332**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1110		mg/Kg		111	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	994.2		mg/Kg		99	70 - 130	2	20

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: LCSD 880-2332/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2466 **Prep Batch: 2332**

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-1584-91 MS **Client Sample ID: C-91**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2466 **Prep Batch: 2332**

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	1201		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1197		mg/Kg		120	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 880-1584-91 MSD **Client Sample ID: C-91**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2466 **Prep Batch: 2332**

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	1222		mg/Kg		122	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1247		mg/Kg		125	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: MB 880-2367/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2468 **Prep Batch: 2367**

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		04/27/21 08:49	04/29/21 09:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 09:50	1
OIl Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 09:50	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 09:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	04/27/21 08:49	04/29/21 09:50	1
o-Terphenyl	101		70 - 130	04/27/21 08:49	04/29/21 09:50	1

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: LCS 880-2367/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2468 **Prep Batch: 2367**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1042		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	850.2		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: LCSD 880-2367/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2468 **Prep Batch: 2367**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1135		mg/Kg		113	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	883.2		mg/Kg		88	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: 880-1584-114 MS **Client Sample ID: C-114**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2468 **Prep Batch: 2367**

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	1196		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F2	998	984.6		mg/Kg		99	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: 880-1584-114 MSD **Client Sample ID: C-114**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2468 **Prep Batch: 2367**

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	993.3		mg/Kg		100	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<49.9	U F2	998	770.8	F2	mg/Kg		77	70 - 130	24	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*

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QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: 880-1584-114 MSD **Client Sample ID: C-114**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2468 **Prep Batch: 2367**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	71		70 - 130

Lab Sample ID: MB 880-2368/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2484 **Prep Batch: 2368**

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		04/27/21 09:08	04/29/21 13:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 13:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 13:11	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:08	04/29/21 13:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	04/27/21 09:08	04/29/21 13:11	1
o-Terphenyl	138	S1+	70 - 130	04/27/21 09:08	04/29/21 13:11	1

Lab Sample ID: LCS 880-2368/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2484 **Prep Batch: 2368**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1094		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1065		mg/Kg		107	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	129		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: LCSD 880-2368/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2484 **Prep Batch: 2368**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1132		mg/Kg		113	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1069		mg/Kg		107	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	124		70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: 880-1584-134 MS **Client Sample ID: C-134**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2484 **Prep Batch: 2368**

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	1134		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1103		mg/Kg		111	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: 880-1584-134 MSD **Client Sample ID: C-134**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2484 **Prep Batch: 2368**

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	1152		mg/Kg		115	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1154		mg/Kg		116	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: MB 880-2373/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2520 **Prep Batch: 2373**

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		04/27/21 09:26	04/30/21 10:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 10:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 10:47	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 09:26	04/30/21 10:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/27/21 09:26*	*04/30/21 10:47*	*1*
o-Terphenyl	*120*		*70 - 130*	*04/27/21 09:26*	*04/30/21 10:47*	*1*

Lab Sample ID: LCS 880-2373/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2520 **Prep Batch: 2373**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1174		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1192		mg/Kg		119	70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: LCS 880-2373/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2520 **Prep Batch: 2373**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: LCSD 880-2373/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2520 **Prep Batch: 2373**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1236		mg/Kg		124	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1299		mg/Kg		130	70 - 130	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: 880-1584-154 MS **Client Sample ID: C-154**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2520 **Prep Batch: 2373**

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-1584-154 MSD **Client Sample ID: C-154**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2520 **Prep Batch: 2373**

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	1179		mg/Kg					
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1198		mg/Kg					

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: MB 880-2376/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2527 **Prep Batch: 2376**

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		04/27/21 10:01	04/30/21 10:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 10:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 10:47	1

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: MB 880-2376/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2527 **Prep Batch: 2376**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 10:01	04/30/21 10:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/27/21 10:01*	*04/30/21 10:47*	*1*
o-Terphenyl	*122*		*70 - 130*	*04/27/21 10:01*	*04/30/21 10:47*	*1*

Lab Sample ID: LCS 880-2376/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2527 **Prep Batch: 2376**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1223		mg/Kg		122	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1206		mg/Kg		121	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Lab Sample ID: LCSD 880-2376/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2527 **Prep Batch: 2376**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1048		mg/Kg		105	70 - 130	15	20
Diesel Range Organics (Over C10-C28)			1000	1191		mg/Kg		119	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: 880-1584-174 MS **Client Sample ID: C-174**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2527 **Prep Batch: 2376**

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	998	1392	F1	mg/Kg		138	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1289		mg/Kg		129	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*129*		*70 - 130*
o-Terphenyl	*114*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: 880-1584-174 MSD **Client Sample ID: C-174**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2527 **Prep Batch: 2376**

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	998	1532	F1	mg/Kg		152	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1417	F1	mg/Kg		142	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*139*	*S1+*	*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: MB 880-2377/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2425 **Prep Batch: 2377**

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		04/27/21 10:20	04/28/21 10:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 10:20	04/28/21 10:35	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 10:20	04/28/21 10:35	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 10:20	04/28/21 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*04/27/21 10:20*	*04/28/21 10:35*	*1*
o-Terphenyl	*108*		*70 - 130*	*04/27/21 10:20*	*04/28/21 10:35*	*1*

Lab Sample ID: LCS 880-2377/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2425 **Prep Batch: 2377**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1476	*+	mg/Kg		148	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1231		mg/Kg		123	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*130*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: LCSD 880-2377/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2425 **Prep Batch: 2377**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1178	*1	mg/Kg		118	70 - 130	23	20
Diesel Range Organics (Over C10-C28)			1000	1020		mg/Kg		102	70 - 130	19	20

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: LCSD 880-2377/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2425 **Prep Batch: 2377**

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-1584-194 MS **Client Sample ID: C-194**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2425 **Prep Batch: 2377**

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 *+ *1	998	1289		mg/Kg		129	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1111		mg/Kg		111	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 880-1584-194 MSD **Client Sample ID: C-194**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2425 **Prep Batch: 2377**

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 *+ *1	998	1115		mg/Kg		112	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1003		mg/Kg		100	70 - 130	10	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: MB 880-2430/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2466 **Prep Batch: 2430**

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		04/28/21 10:09	04/29/21 21:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/29/21 21:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/29/21 21:04	1
Total TPH	<50.0	U	50.0		mg/Kg		04/28/21 10:09	04/29/21 21:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	04/28/21 10:09	04/29/21 21:04	1
o-Terphenyl	109		70 - 130	04/28/21 10:09	04/29/21 21:04	1

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: LCS 880-2430/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2466 **Prep Batch: 2430**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1076		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	991.3		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: LCSD 880-2430/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2466 **Prep Batch: 2430**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1053		mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	962.4		mg/Kg		96	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: 880-1660-A-1-C MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2466 **Prep Batch: 2430**

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	998	1291		mg/Kg		129	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1142		mg/Kg		112	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*124*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: 880-1660-A-1-D MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2466 **Prep Batch: 2430**

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	998	1310	F1	mg/Kg		131	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1153		mg/Kg		113	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*122*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: 880-1660-A-1-D MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2466 **Prep Batch: 2430**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	111		70 - 130

Lab Sample ID: MB 880-2505/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2468 **Prep Batch: 2505**

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		04/29/21 16:25	04/29/21 21:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 16:25	04/29/21 21:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 16:25	04/29/21 21:04	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 16:25	04/29/21 21:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	04/29/21 16:25	04/29/21 21:04	1
o-Terphenyl	100		70 - 130	04/29/21 16:25	04/29/21 21:04	1

Lab Sample ID: LCS 880-2505/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2468 **Prep Batch: 2505**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1063		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	888.0		mg/Kg		89	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: LCSD 880-2505/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2468 **Prep Batch: 2505**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1087		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	867.1		mg/Kg		87	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	96		70 - 130

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

Lab Sample ID: 890-589-A-1-E MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2468 **Prep Batch: 2505**

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	998	1365	F1	mg/Kg		134	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1117		mg/Kg		112	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: 890-589-A-1-F MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2468 **Prep Batch: 2505**

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	998	1282		mg/Kg		126	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1017		mg/Kg		102	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2344/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2361

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/26/21 21:02	1

Lab Sample ID: LCS 880-2344/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2361

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			250	254.4		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-2344/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2361

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	255.5		mg/Kg		102	90 - 110	0	20

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-1584-140 MS — **Client Sample ID: C-140**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	313		253	564.0		mg/Kg		99	90 - 110

Lab Sample ID: 880-1584-140 MSD — **Client Sample ID: C-140**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	313		253	559.9		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-1584-150 MS — **Client Sample ID: C-150**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	67.2		252	316.7		mg/Kg		99	90 - 110

Lab Sample ID: 880-1584-150 MSD — **Client Sample ID: C-150**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	67.2		252	321.7		mg/Kg		101	90 - 110	2	20

Lab Sample ID: MB 880-2347/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2362

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/27/21 00:26	1

Lab Sample ID: LCS 880-2347/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	246.8		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-2347/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2362

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	252.9		mg/Kg		101	90 - 110	2	20

Lab Sample ID: 880-1584-138 MS — **Client Sample ID: C-138**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	740	F1	251	960.9	F1	mg/Kg		88	90 - 110

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1584-138 MSD **Client Sample ID: C-138**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	740	F1	251	951.3	F1	mg/Kg		84	90 - 110	1	20

Lab Sample ID: MB 880-2382/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2462

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/29/21 02:01	1

Lab Sample ID: LCS 880-2382/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2462

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	248.0		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-2382/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2462

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	252.7		mg/Kg		101	90 - 110	2	20

Lab Sample ID: 880-1584-155 MS **Client Sample ID: C-155**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2462

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	357	F1	249	569.3	F1	mg/Kg		86	90 - 110		

Lab Sample ID: 880-1584-155 MSD **Client Sample ID: C-155**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2462

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	357	F1	249	568.4	F1	mg/Kg		85	90 - 110	0	20

Lab Sample ID: 880-1584-165 MS **Client Sample ID: C-165**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2462

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	598	F1	253	1935	F1	mg/Kg		530	90 - 110		

Lab Sample ID: 880-1584-165 MSD **Client Sample ID: C-165**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2462

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	598	F1	253	1902	F1	mg/Kg		517	90 - 110	2	20

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2383/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2495

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/29/21 12:30	1

Lab Sample ID: LCS 880-2383/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2495

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	244.7		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-2383/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2495

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	247.8		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-1584-175 MS — **Client Sample ID: C-175**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2495

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	593	F1	249	731.8	F1	mg/Kg		56	90 - 110		

Lab Sample ID: 880-1584-175 MSD — **Client Sample ID: C-175**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2495

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	593	F1	249	734.3	F1	mg/Kg		57	90 - 110	0	20

Lab Sample ID: 880-1584-185 MS — **Client Sample ID: C-185**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2495

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	158	F1	250	332.1	F1	mg/Kg		70	90 - 110		

Lab Sample ID: 880-1584-185 MSD — **Client Sample ID: C-185**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2495

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	158	F1	250	329.0	F1	mg/Kg		68	90 - 110	1	20

Lab Sample ID: MB 880-2386/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2497

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/29/21 15:38	1

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-2386/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2497

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	241.7		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-2386/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2497

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	242.6		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-1584-195 MS — **Client Sample ID: C-195**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2497

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	139	F1	250	294.9	F1	mg/Kg		62	90 - 110		

Lab Sample ID: 880-1584-195 MSD — **Client Sample ID: C-195**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2497

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	139	F1	250	302.9	F1	mg/Kg		66	90 - 110	3	20

Lab Sample ID: 880-1584-205 MS — **Client Sample ID: C-205**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2497

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	114	F1	249	296.7	F1	mg/Kg		73	90 - 110		

Lab Sample ID: 880-1584-205 MSD — **Client Sample ID: C-205**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2497

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	114	F1	249	295.2	F1	mg/Kg		73	90 - 110	0	20

Lab Sample ID: MB 880-2387/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2502

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/29/21 18:47	1

Lab Sample ID: LCS 880-2387/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2502

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	238.4		mg/Kg		95	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-2387/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2502

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	240.6		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 880-1584-25 MS — **Client Sample ID: C-25**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2502

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	631	F1	249	815.7	F1	mg/Kg		74	90 - 110

Lab Sample ID: 880-1584-25 MSD — **Client Sample ID: C-25**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2502

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	631	F1	249	809.9	F1	mg/Kg		72	90 - 110	1	20

Lab Sample ID: MB 880-2389/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2552

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/30/21 14:59	1

Lab Sample ID: LCS 880-2389/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2552

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 880-2389/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2552

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	252.1		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-1584-29 MS — **Client Sample ID: C-29**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2552

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	106		250	355.6		mg/Kg		100	90 - 110

Lab Sample ID: 880-1584-29 MSD — **Client Sample ID: C-29**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2552

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	106		250	356.2		mg/Kg		100	90 - 110	0	20

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1584-41 MS — **Client Sample ID: C-41**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2552

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	601	F1	249	821.3	F1	mg/Kg		89	90 - 110

Lab Sample ID: 880-1584-41 MSD — **Client Sample ID: C-41**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2552

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	601	F1	249	820.1	F1	mg/Kg		88	90 - 110	0	20

Lab Sample ID: MB 880-2390/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2553

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/30/21 18:15	1

Lab Sample ID: LCS 880-2390/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2553

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			250	256.7		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-2390/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2553

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	256.5		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-1584-51 MS — **Client Sample ID: C-51**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2553

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	45.6		250	303.1		mg/Kg		103	90 - 110

Lab Sample ID: 880-1584-51 MSD — **Client Sample ID: C-51**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2553

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	45.6		250	303.1		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-1584-61 MS — **Client Sample ID: C-61**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 2553

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	662		253	891.2		mg/Kg		91	90 - 110

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1584-61 MSD
Matrix: Solid
Analysis Batch: 2553

Client Sample ID: C-61
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	662		253	891.1		mg/Kg		91	90 - 110	0	20

Lab Sample ID: MB 880-2393/1-A
Matrix: Solid
Analysis Batch: 2573

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			04/30/21 17:17	1

Lab Sample ID: LCS 880-2393/2-A
Matrix: Solid
Analysis Batch: 2573

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	230.3		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-2393/3-A
Matrix: Solid
Analysis Batch: 2573

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	231.7		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 880-1584-98 MS
Matrix: Solid
Analysis Batch: 2573

Client Sample ID: C-98
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	154	F1	250	375.7	F1	mg/Kg		89	90 - 110		

Lab Sample ID: 880-1584-98 MSD
Matrix: Solid
Analysis Batch: 2573

Client Sample ID: C-98
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	154	F1	250	367.9	F1	mg/Kg		85	90 - 110	2	20

Lab Sample ID: 880-1584-108 MS
Matrix: Solid
Analysis Batch: 2573

Client Sample ID: C-108
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	558	F1	250	701.5	F1	mg/Kg		57	90 - 110		

Lab Sample ID: 880-1584-108 MSD
Matrix: Solid
Analysis Batch: 2573

Client Sample ID: C-108
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	558	F1	250	725.9	F1	mg/Kg		67	90 - 110	3	20

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2391/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2574

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/30/21 20:25	1

Lab Sample ID: LCS 880-2391/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2574

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	244.6		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-2391/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2574

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	245.2		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-1584-71 MS **Client Sample ID: C-71**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2574

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	2100		250	3265	4	mg/Kg		467	90 - 110		

Lab Sample ID: 880-1584-71 MSD **Client Sample ID: C-71**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2574

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2100		250	3269	4	mg/Kg		468	90 - 110	0	20

Lab Sample ID: 880-1584-81 MS **Client Sample ID: C-81**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2574

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	447	F1	253	656.6	F1	mg/Kg		83	90 - 110		

Lab Sample ID: 880-1584-81 MSD **Client Sample ID: C-81**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2574

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	447	F1	253	651.8	F1	mg/Kg		81	90 - 110	1	20

Lab Sample ID: MB 880-2395/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2575

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/30/21 23:34	1

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-2395/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2575

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	241.7		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-2395/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2575

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	244.4		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-1584-118 MS **Client Sample ID: C-118**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2575

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	306	F1	250	520.4	F1	mg/Kg		86	90 - 110		

Lab Sample ID: 880-1584-118 MSD **Client Sample ID: C-118**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2575

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	306	F1	250	522.7	F1	mg/Kg		87	90 - 110	0	20

Lab Sample ID: 880-1584-128 MS **Client Sample ID: C-128**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2575

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	648	F1	250	816.9	F1	mg/Kg		68	90 - 110		

Lab Sample ID: 880-1584-128 MSD **Client Sample ID: C-128**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2575

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	648	F1	250	830.1	F1	mg/Kg		73	90 - 110	2	20

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC VOA

Prep Batch: 2209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2209/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 2286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-25	C-25	Total/NA	Solid	8021B	2342
880-1584-26	C-26	Total/NA	Solid	8021B	2342
880-1584-27	C-27	Total/NA	Solid	8021B	2342
880-1584-28	C-28	Total/NA	Solid	8021B	2342
880-1584-29	C-29	Total/NA	Solid	8021B	2342
880-1584-30	C-30	Total/NA	Solid	8021B	2342
880-1584-31	C-31	Total/NA	Solid	8021B	2342
880-1584-32	C-32	Total/NA	Solid	8021B	2342
880-1584-33	C-33	Total/NA	Solid	8021B	2342
880-1584-34	C-34	Total/NA	Solid	8021B	2342
880-1584-37	C-37	Total/NA	Solid	8021B	2342
880-1584-38	C-38	Total/NA	Solid	8021B	2342
880-1584-39	C-39	Total/NA	Solid	8021B	2342
880-1584-40	C-40	Total/NA	Solid	8021B	2342
880-1584-41	C-41	Total/NA	Solid	8021B	2342
880-1584-42	C-42	Total/NA	Solid	8021B	2342
880-1584-43	C-43	Total/NA	Solid	8021B	2342
MB 880-2209/5-A	Method Blank	Total/NA	Solid	8021B	2209
MB 880-2342/5-A	Method Blank	Total/NA	Solid	8021B	2342
LCS 880-2342/1-A	Lab Control Sample	Total/NA	Solid	8021B	2342
LCSD 880-2342/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2342
880-1584-25 MS	C-25	Total/NA	Solid	8021B	2342
880-1584-25 MSD	C-25	Total/NA	Solid	8021B	2342

Prep Batch: 2333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-44	C-44	Total/NA	Solid	5035	
880-1584-45	C-45	Total/NA	Solid	5035	
880-1584-46	C-46	Total/NA	Solid	5035	
880-1584-47	C-47	Total/NA	Solid	5035	
880-1584-48	C-48	Total/NA	Solid	5035	
880-1584-49	C-49	Total/NA	Solid	5035	
880-1584-50	C-50	Total/NA	Solid	5035	
880-1584-51	C-51	Total/NA	Solid	5035	
880-1584-52	C-52	Total/NA	Solid	5035	
880-1584-53	C-53	Total/NA	Solid	5035	
880-1584-54	C-54	Total/NA	Solid	5035	
880-1584-55	C-55	Total/NA	Solid	5035	
880-1584-56	C-56	Total/NA	Solid	5035	
880-1584-57	C-57	Total/NA	Solid	5035	
880-1584-58	C-58	Total/NA	Solid	5035	
880-1584-59	C-59	Total/NA	Solid	5035	
880-1584-60	C-60	Total/NA	Solid	5035	
880-1584-61	C-61	Total/NA	Solid	5035	
880-1584-62	C-62	Total/NA	Solid	5035	
880-1584-63	C-63	Total/NA	Solid	5035	
MB 880-2333/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC VOA (Continued)

Prep Batch: 2333 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-2333/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2333/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1584-44 MS	C-44	Total/NA	Solid	5035	
880-1584-44 MSD	C-44	Total/NA	Solid	5035	

Prep Batch: 2334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-64	C-64	Total/NA	Solid	5035	
880-1584-65	C-65	Total/NA	Solid	5035	
880-1584-66	C-66	Total/NA	Solid	5035	
880-1584-67	C-67	Total/NA	Solid	5035	
880-1584-68	C-68	Total/NA	Solid	5035	
880-1584-69	C-69	Total/NA	Solid	5035	
880-1584-70	C-70	Total/NA	Solid	5035	
880-1584-71	C-71	Total/NA	Solid	5035	
880-1584-72	C-72	Total/NA	Solid	5035	
880-1584-73	C-73	Total/NA	Solid	5035	
880-1584-74	C-74	Total/NA	Solid	5035	
880-1584-75	C-75	Total/NA	Solid	5035	
880-1584-76	C-76	Total/NA	Solid	5035	
880-1584-77	C-77	Total/NA	Solid	5035	
880-1584-78	C-78	Total/NA	Solid	5035	
880-1584-79	C-79	Total/NA	Solid	5035	
880-1584-80	C-80	Total/NA	Solid	5035	
880-1584-81	C-81	Total/NA	Solid	5035	
880-1584-82	C-82	Total/NA	Solid	5035	
880-1584-83	C-83	Total/NA	Solid	5035	
MB 880-2334/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2334/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2334/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1584-64 MS	C-64	Total/NA	Solid	5035	
880-1584-64 MSD	C-64	Total/NA	Solid	5035	

Prep Batch: 2335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-84	C-84	Total/NA	Solid	5035	
880-1584-85	C-85	Total/NA	Solid	5035	
880-1584-86	C-86	Total/NA	Solid	5035	
880-1584-91	C-91	Total/NA	Solid	5035	
880-1584-92	C-92	Total/NA	Solid	5035	
880-1584-93	C-93	Total/NA	Solid	5035	
880-1584-94	C-94	Total/NA	Solid	5035	
880-1584-98	C-98	Total/NA	Solid	5035	
880-1584-99	C-99	Total/NA	Solid	5035	
880-1584-100	C-100	Total/NA	Solid	5035	
880-1584-101	C-101	Total/NA	Solid	5035	
880-1584-102	C-102	Total/NA	Solid	5035	
880-1584-103	C-103	Total/NA	Solid	5035	
880-1584-104	C-104	Total/NA	Solid	5035	
880-1584-105	C-105	Total/NA	Solid	5035	
880-1584-106	C-106	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC VOA (Continued)

Prep Batch: 2335 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-107	C-107	Total/NA	Solid	5035	
880-1584-108	C-108	Total/NA	Solid	5035	
880-1584-109	C-109	Total/NA	Solid	5035	
880-1584-110	C-110	Total/NA	Solid	5035	
MB 880-2335/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2335/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2335/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1584-84 MS	C-84	Total/NA	Solid	5035	
880-1584-84 MSD	C-84	Total/NA	Solid	5035	

Prep Batch: 2336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-111	C-111	Total/NA	Solid	5035	
880-1584-112	C-112	Total/NA	Solid	5035	
880-1584-113	C-113	Total/NA	Solid	5035	
880-1584-114	C-114	Total/NA	Solid	5035	
880-1584-115	C-115	Total/NA	Solid	5035	
880-1584-116	C-116	Total/NA	Solid	5035	
880-1584-117	C-117	Total/NA	Solid	5035	
880-1584-118	C-118	Total/NA	Solid	5035	
880-1584-119	C-119	Total/NA	Solid	5035	
880-1584-120	C-120	Total/NA	Solid	5035	
880-1584-121	C-121	Total/NA	Solid	5035	
880-1584-122	C-122	Total/NA	Solid	5035	
880-1584-123	C-123	Total/NA	Solid	5035	
880-1584-124	C-124	Total/NA	Solid	5035	
880-1584-125	C-125	Total/NA	Solid	5035	
880-1584-126	C-126	Total/NA	Solid	5035	
880-1584-127	C-127	Total/NA	Solid	5035	
880-1584-128	C-128	Total/NA	Solid	5035	
880-1584-129	C-129	Total/NA	Solid	5035	
880-1584-130	C-130	Total/NA	Solid	5035	
MB 880-2336/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2336/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2336/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1584-111 MS	C-111	Total/NA	Solid	5035	
880-1584-111 MSD	C-111	Total/NA	Solid	5035	

Prep Batch: 2342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-25	C-25	Total/NA	Solid	5035	
880-1584-26	C-26	Total/NA	Solid	5035	
880-1584-27	C-27	Total/NA	Solid	5035	
880-1584-28	C-28	Total/NA	Solid	5035	
880-1584-29	C-29	Total/NA	Solid	5035	
880-1584-30	C-30	Total/NA	Solid	5035	
880-1584-31	C-31	Total/NA	Solid	5035	
880-1584-32	C-32	Total/NA	Solid	5035	
880-1584-33	C-33	Total/NA	Solid	5035	
880-1584-34	C-34	Total/NA	Solid	5035	
880-1584-37	C-37	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC VOA (Continued)

Prep Batch: 2342 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-38	C-38	Total/NA	Solid	5035	
880-1584-39	C-39	Total/NA	Solid	5035	
880-1584-40	C-40	Total/NA	Solid	5035	
880-1584-41	C-41	Total/NA	Solid	5035	
880-1584-42	C-42	Total/NA	Solid	5035	
880-1584-43	C-43	Total/NA	Solid	5035	
MB 880-2342/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2342/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2342/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1584-25 MS	C-25	Total/NA	Solid	5035	
880-1584-25 MSD	C-25	Total/NA	Solid	5035	

Leach Batch: 2344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-147 MSD	C-147	Total/NA	Solid	DI Leach	

Analysis Batch: 2375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-44	C-44	Total/NA	Solid	8021B	2333
880-1584-45	C-45	Total/NA	Solid	8021B	2333
880-1584-46	C-46	Total/NA	Solid	8021B	2333
880-1584-47	C-47	Total/NA	Solid	8021B	2333
880-1584-48	C-48	Total/NA	Solid	8021B	2333
880-1584-49	C-49	Total/NA	Solid	8021B	2333
880-1584-50	C-50	Total/NA	Solid	8021B	2333
880-1584-51	C-51	Total/NA	Solid	8021B	2333
880-1584-52	C-52	Total/NA	Solid	8021B	2333
880-1584-53	C-53	Total/NA	Solid	8021B	2333
880-1584-54	C-54	Total/NA	Solid	8021B	2333
880-1584-55	C-55	Total/NA	Solid	8021B	2333
880-1584-56	C-56	Total/NA	Solid	8021B	2333
880-1584-57	C-57	Total/NA	Solid	8021B	2333
880-1584-58	C-58	Total/NA	Solid	8021B	2333
880-1584-59	C-59	Total/NA	Solid	8021B	2333
880-1584-60	C-60	Total/NA	Solid	8021B	2333
880-1584-61	C-61	Total/NA	Solid	8021B	2333
880-1584-62	C-62	Total/NA	Solid	8021B	2333
880-1584-63	C-63	Total/NA	Solid	8021B	2333
MB 880-2333/5-A	Method Blank	Total/NA	Solid	8021B	2333
LCS 880-2333/1-A	Lab Control Sample	Total/NA	Solid	8021B	2333
LCSD 880-2333/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2333
880-1584-44 MS	C-44	Total/NA	Solid	8021B	2333
880-1584-44 MSD	C-44	Total/NA	Solid	8021B	2333

Prep Batch: 2378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-131	C-131	Total/NA	Solid	5035	
880-1584-132	C-132	Total/NA	Solid	5035	
880-1584-133	C-133	Total/NA	Solid	5035	
880-1584-134	C-134	Total/NA	Solid	5035	
MB 880-2378/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC VOA (Continued)

Prep Batch: 2378 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-2378/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2378/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1584-131 MS	C-131	Total/NA	Solid	5035	
880-1584-131 MSD	C-131	Total/NA	Solid	5035	

Analysis Batch: 2379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-84	C-84	Total/NA	Solid	8021B	2335
880-1584-85	C-85	Total/NA	Solid	8021B	2335
880-1584-86	C-86	Total/NA	Solid	8021B	2335
880-1584-91	C-91	Total/NA	Solid	8021B	2335
880-1584-92	C-92	Total/NA	Solid	8021B	2335
880-1584-93	C-93	Total/NA	Solid	8021B	2335
880-1584-94	C-94	Total/NA	Solid	8021B	2335
880-1584-98	C-98	Total/NA	Solid	8021B	2335
880-1584-99	C-99	Total/NA	Solid	8021B	2335
880-1584-100	C-100	Total/NA	Solid	8021B	2335
880-1584-101	C-101	Total/NA	Solid	8021B	2335
880-1584-102	C-102	Total/NA	Solid	8021B	2335
880-1584-103	C-103	Total/NA	Solid	8021B	2335
880-1584-104	C-104	Total/NA	Solid	8021B	2335
880-1584-105	C-105	Total/NA	Solid	8021B	2335
880-1584-106	C-106	Total/NA	Solid	8021B	2335
880-1584-107	C-107	Total/NA	Solid	8021B	2335
880-1584-108	C-108	Total/NA	Solid	8021B	2335
880-1584-109	C-109	Total/NA	Solid	8021B	2335
880-1584-110	C-110	Total/NA	Solid	8021B	2335
880-1584-111	C-111	Total/NA	Solid	8021B	2336
880-1584-112	C-112	Total/NA	Solid	8021B	2336
880-1584-113	C-113	Total/NA	Solid	8021B	2336
880-1584-114	C-114	Total/NA	Solid	8021B	2336
880-1584-115	C-115	Total/NA	Solid	8021B	2336
880-1584-116	C-116	Total/NA	Solid	8021B	2336
880-1584-117	C-117	Total/NA	Solid	8021B	2336
880-1584-118	C-118	Total/NA	Solid	8021B	2336
880-1584-119	C-119	Total/NA	Solid	8021B	2336
880-1584-120	C-120	Total/NA	Solid	8021B	2336
880-1584-121	C-121	Total/NA	Solid	8021B	2336
880-1584-122	C-122	Total/NA	Solid	8021B	2336
880-1584-123	C-123	Total/NA	Solid	8021B	2336
880-1584-124	C-124	Total/NA	Solid	8021B	2336
880-1584-125	C-125	Total/NA	Solid	8021B	2336
880-1584-126	C-126	Total/NA	Solid	8021B	2336
880-1584-127	C-127	Total/NA	Solid	8021B	2336
880-1584-128	C-128	Total/NA	Solid	8021B	2336
880-1584-129	C-129	Total/NA	Solid	8021B	2336
880-1584-130	C-130	Total/NA	Solid	8021B	2336
MB 880-2335/5-A	Method Blank	Total/NA	Solid	8021B	2335
MB 880-2336/5-A	Method Blank	Total/NA	Solid	8021B	2336
LCS 880-2335/1-A	Lab Control Sample	Total/NA	Solid	8021B	2335
LCS 880-2336/1-A	Lab Control Sample	Total/NA	Solid	8021B	2336

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC VOA (Continued)

Analysis Batch: 2379 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-2335/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2335
LCSD 880-2336/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2336
880-1584-84 MS	C-84	Total/NA	Solid	8021B	2335
880-1584-84 MSD	C-84	Total/NA	Solid	8021B	2335
880-1584-111 MS	C-111	Total/NA	Solid	8021B	2336
880-1584-111 MSD	C-111	Total/NA	Solid	8021B	2336

Analysis Batch: 2381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-131	C-131	Total/NA	Solid	8021B	2378
880-1584-132	C-132	Total/NA	Solid	8021B	2378
880-1584-133	C-133	Total/NA	Solid	8021B	2378
880-1584-134	C-134	Total/NA	Solid	8021B	2378
MB 880-2378/5-A	Method Blank	Total/NA	Solid	8021B	2378
LCS 880-2378/1-A	Lab Control Sample	Total/NA	Solid	8021B	2378
LCSD 880-2378/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2378
880-1584-131 MS	C-131	Total/NA	Solid	8021B	2378
880-1584-131 MSD	C-131	Total/NA	Solid	8021B	2378

Prep Batch: 2385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-147	C-147	Total/NA	Solid	5035	
880-1584-148	C-148	Total/NA	Solid	5035	
880-1584-149	C-149	Total/NA	Solid	5035	
880-1584-150	C-150	Total/NA	Solid	5035	
880-1584-151	C-151	Total/NA	Solid	5035	
880-1584-152	C-152	Total/NA	Solid	5035	
880-1584-153	C-153	Total/NA	Solid	5035	
880-1584-154	C-154	Total/NA	Solid	5035	
880-1584-155	C-155	Total/NA	Solid	5035	
880-1584-156	C-156	Total/NA	Solid	5035	
880-1584-157	C-157	Total/NA	Solid	5035	
880-1584-158	C-158	Total/NA	Solid	5035	
880-1584-159	C-159	Total/NA	Solid	5035	
880-1584-160	C-160	Total/NA	Solid	5035	
880-1584-161	C-161	Total/NA	Solid	5035	
880-1584-162	C-162	Total/NA	Solid	5035	
MB 880-2385/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2385/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2385/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1584-147 MS	C-147	Total/NA	Solid	5035	

Prep Batch: 2392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-163	C-163	Total/NA	Solid	5035	
880-1584-164	C-164	Total/NA	Solid	5035	
880-1584-165	C-165	Total/NA	Solid	5035	
880-1584-166	C-166	Total/NA	Solid	5035	
880-1584-167	C-167	Total/NA	Solid	5035	
880-1584-168	C-168	Total/NA	Solid	5035	
880-1584-169	C-169	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC VOA (Continued)

Prep Batch: 2392 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-173	C-173	Total/NA	Solid	5035	
880-1584-174	C-174	Total/NA	Solid	5035	
880-1584-175	C-175	Total/NA	Solid	5035	
880-1584-176	C-176	Total/NA	Solid	5035	
880-1584-177	C-177	Total/NA	Solid	5035	
880-1584-178	C-178	Total/NA	Solid	5035	
880-1584-179	C-179	Total/NA	Solid	5035	
880-1584-180	C-180	Total/NA	Solid	5035	
880-1584-181	C-181	Total/NA	Solid	5035	
880-1584-182	C-182	Total/NA	Solid	5035	
MB 880-2392/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2392/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2392/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1584-163 MS	C-163	Total/NA	Solid	5035	
880-1584-163 MSD	C-163	Total/NA	Solid	5035	

Prep Batch: 2399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-183	C-183	Total/NA	Solid	5035	
880-1584-184	C-184	Total/NA	Solid	5035	
880-1584-185	C-185	Total/NA	Solid	5035	
880-1584-186	C-186	Total/NA	Solid	5035	
880-1584-187	C-187	Total/NA	Solid	5035	
880-1584-188	C-188	Total/NA	Solid	5035	
880-1584-189	C-189	Total/NA	Solid	5035	
880-1584-190	C-190	Total/NA	Solid	5035	
880-1584-191	C-191	Total/NA	Solid	5035	
880-1584-192	C-192	Total/NA	Solid	5035	
880-1584-193	C-193	Total/NA	Solid	5035	
880-1584-194	C-194	Total/NA	Solid	5035	
880-1584-195	C-195	Total/NA	Solid	5035	
880-1584-196	C-196	Total/NA	Solid	5035	
880-1584-197	C-197	Total/NA	Solid	5035	
880-1584-198	C-198	Total/NA	Solid	5035	
880-1584-199	C-199	Total/NA	Solid	5035	
880-1584-200	C-200	Total/NA	Solid	5035	
880-1584-201	C-201	Total/NA	Solid	5035	
880-1584-202	C-202	Total/NA	Solid	5035	
MB 880-2399/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2399/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2399/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1584-183 MS	C-183	Total/NA	Solid	5035	
880-1584-183 MSD	C-183	Total/NA	Solid	5035	

Prep Batch: 2417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2417/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 2420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2420/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC VOA

Prep Batch: 2428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-135	C-135	Total/NA	Solid	5035	
880-1584-136	C-136	Total/NA	Solid	5035	
880-1584-137	C-137	Total/NA	Solid	5035	
880-1584-138	C-138	Total/NA	Solid	5035	
880-1584-139	C-139	Total/NA	Solid	5035	
880-1584-140	C-140	Total/NA	Solid	5035	
880-1584-141	C-141	Total/NA	Solid	5035	
880-1584-142	C-142	Total/NA	Solid	5035	
880-1584-143	C-143	Total/NA	Solid	5035	
880-1584-144	C-144	Total/NA	Solid	5035	
880-1584-145	C-145	Total/NA	Solid	5035	
880-1584-146	C-146	Total/NA	Solid	5035	
880-1584-203	C-203	Total/NA	Solid	5035	
880-1584-204	C-204	Total/NA	Solid	5035	
880-1584-205	C-205	Total/NA	Solid	5035	
880-1584-206	C-206	Total/NA	Solid	5035	
880-1584-207	C-207	Total/NA	Solid	5035	
880-1584-208	C-208	Total/NA	Solid	5035	
880-1584-209	C-209	Total/NA	Solid	5035	
MB 880-2428/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2428/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2428/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1584-135 MS	C-135	Total/NA	Solid	5035	
880-1584-135 MSD	C-135	Total/NA	Solid	5035	

Analysis Batch: 2432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-64	C-64	Total/NA	Solid	8021B	2334
880-1584-65	C-65	Total/NA	Solid	8021B	2334
880-1584-66	C-66	Total/NA	Solid	8021B	2334
880-1584-67	C-67	Total/NA	Solid	8021B	2334
880-1584-68	C-68	Total/NA	Solid	8021B	2334
880-1584-69	C-69	Total/NA	Solid	8021B	2334
880-1584-70	C-70	Total/NA	Solid	8021B	2334
880-1584-71	C-71	Total/NA	Solid	8021B	2334
880-1584-72	C-72	Total/NA	Solid	8021B	2334
880-1584-73	C-73	Total/NA	Solid	8021B	2334
880-1584-74	C-74	Total/NA	Solid	8021B	2334
880-1584-75	C-75	Total/NA	Solid	8021B	2334
880-1584-76	C-76	Total/NA	Solid	8021B	2334
880-1584-77	C-77	Total/NA	Solid	8021B	2334
880-1584-78	C-78	Total/NA	Solid	8021B	2334
880-1584-79	C-79	Total/NA	Solid	8021B	2334
880-1584-80	C-80	Total/NA	Solid	8021B	2334
880-1584-81	C-81	Total/NA	Solid	8021B	2334
880-1584-82	C-82	Total/NA	Solid	8021B	2334
880-1584-83	C-83	Total/NA	Solid	8021B	2334
MB 880-2334/5-A	Method Blank	Total/NA	Solid	8021B	2334
MB 880-2420/5-A	Method Blank	Total/NA	Solid	8021B	2420
LCS 880-2334/1-A	Lab Control Sample	Total/NA	Solid	8021B	2334
LCSD 880-2334/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2334

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC VOA (Continued)

Analysis Batch: 2432 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-64 MS	C-64	Total/NA	Solid	8021B	2334
880-1584-64 MSD	C-64	Total/NA	Solid	8021B	2334

Analysis Batch: 2445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-147	C-147	Total/NA	Solid	8021B	2385
880-1584-148	C-148	Total/NA	Solid	8021B	2385
880-1584-149	C-149	Total/NA	Solid	8021B	2385
880-1584-150	C-150	Total/NA	Solid	8021B	2385
880-1584-151	C-151	Total/NA	Solid	8021B	2385
880-1584-152	C-152	Total/NA	Solid	8021B	2385
880-1584-153	C-153	Total/NA	Solid	8021B	2385
880-1584-154	C-154	Total/NA	Solid	8021B	2385
880-1584-155	C-155	Total/NA	Solid	8021B	2385
880-1584-156	C-156	Total/NA	Solid	8021B	2385
880-1584-157	C-157	Total/NA	Solid	8021B	2385
880-1584-158	C-158	Total/NA	Solid	8021B	2385
880-1584-159	C-159	Total/NA	Solid	8021B	2385
880-1584-160	C-160	Total/NA	Solid	8021B	2385
880-1584-161	C-161	Total/NA	Solid	8021B	2385
880-1584-162	C-162	Total/NA	Solid	8021B	2385
MB 880-2385/5-A	Method Blank	Total/NA	Solid	8021B	2385
MB 880-2417/5-A	Method Blank	Total/NA	Solid	8021B	2417
LCS 880-2385/1-A	Lab Control Sample	Total/NA	Solid	8021B	2385
LCSD 880-2385/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2385
880-1584-147 MS	C-147	Total/NA	Solid	8021B	2385
880-1584-147 MSD	C-147	Total/NA	Solid	8021B	2344

Analysis Batch: 2447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-135	C-135	Total/NA	Solid	8021B	2428
880-1584-136	C-136	Total/NA	Solid	8021B	2428
880-1584-137	C-137	Total/NA	Solid	8021B	2428
880-1584-138	C-138	Total/NA	Solid	8021B	2428
880-1584-139	C-139	Total/NA	Solid	8021B	2428
880-1584-140	C-140	Total/NA	Solid	8021B	2428
880-1584-141	C-141	Total/NA	Solid	8021B	2428
880-1584-142	C-142	Total/NA	Solid	8021B	2428
880-1584-143	C-143	Total/NA	Solid	8021B	2428
880-1584-144	C-144	Total/NA	Solid	8021B	2428
880-1584-145	C-145	Total/NA	Solid	8021B	2428
880-1584-146	C-146	Total/NA	Solid	8021B	2428
880-1584-203	C-203	Total/NA	Solid	8021B	2428
880-1584-204	C-204	Total/NA	Solid	8021B	2428
880-1584-205	C-205	Total/NA	Solid	8021B	2428
880-1584-206	C-206	Total/NA	Solid	8021B	2428
880-1584-207	C-207	Total/NA	Solid	8021B	2428
880-1584-208	C-208	Total/NA	Solid	8021B	2428
880-1584-209	C-209	Total/NA	Solid	8021B	2428
MB 880-2428/5-A	Method Blank	Total/NA	Solid	8021B	2428
LCS 880-2428/1-A	Lab Control Sample	Total/NA	Solid	8021B	2428

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC VOA (Continued)

Analysis Batch: 2447 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-2428/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2428
880-1584-135 MS	C-135	Total/NA	Solid	8021B	2428
880-1584-135 MSD	C-135	Total/NA	Solid	8021B	2428

Prep Batch: 2452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-172	C-172	Total/NA	Solid	5035	
MB 880-2452/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2452/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2452/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1584-172 MS	C-172	Total/NA	Solid	5035	
880-1584-172 MSD	C-172	Total/NA	Solid	5035	

Prep Batch: 2456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-170	C-170	Total/NA	Solid	5035	
880-1584-171	C-171	Total/NA	Solid	5035	
MB 880-2456/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2456/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2456/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-163	C-163	Total/NA	Solid	8021B	2392
880-1584-164	C-164	Total/NA	Solid	8021B	2392
880-1584-165	C-165	Total/NA	Solid	8021B	2392
880-1584-166	C-166	Total/NA	Solid	8021B	2392
880-1584-167	C-167	Total/NA	Solid	8021B	2392
880-1584-168	C-168	Total/NA	Solid	8021B	2392
880-1584-169	C-169	Total/NA	Solid	8021B	2392
880-1584-173	C-173	Total/NA	Solid	8021B	2392
880-1584-174	C-174	Total/NA	Solid	8021B	2392
880-1584-175	C-175	Total/NA	Solid	8021B	2392
880-1584-176	C-176	Total/NA	Solid	8021B	2392
880-1584-177	C-177	Total/NA	Solid	8021B	2392
880-1584-178	C-178	Total/NA	Solid	8021B	2392
880-1584-179	C-179	Total/NA	Solid	8021B	2392
880-1584-180	C-180	Total/NA	Solid	8021B	2392
880-1584-181	C-181	Total/NA	Solid	8021B	2392
880-1584-182	C-182	Total/NA	Solid	8021B	2392
880-1584-183	C-183	Total/NA	Solid	8021B	2399
880-1584-184	C-184	Total/NA	Solid	8021B	2399
880-1584-185	C-185	Total/NA	Solid	8021B	2399
880-1584-186	C-186	Total/NA	Solid	8021B	2399
880-1584-187	C-187	Total/NA	Solid	8021B	2399
880-1584-188	C-188	Total/NA	Solid	8021B	2399
880-1584-189	C-189	Total/NA	Solid	8021B	2399
880-1584-190	C-190	Total/NA	Solid	8021B	2399
880-1584-191	C-191	Total/NA	Solid	8021B	2399
880-1584-192	C-192	Total/NA	Solid	8021B	2399
880-1584-193	C-193	Total/NA	Solid	8021B	2399

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC VOA (Continued)

Analysis Batch: 2475 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-194	C-194	Total/NA	Solid	8021B	2399
880-1584-195	C-195	Total/NA	Solid	8021B	2399
880-1584-196	C-196	Total/NA	Solid	8021B	2399
880-1584-197	C-197	Total/NA	Solid	8021B	2399
880-1584-198	C-198	Total/NA	Solid	8021B	2399
880-1584-199	C-199	Total/NA	Solid	8021B	2399
880-1584-200	C-200	Total/NA	Solid	8021B	2399
880-1584-201	C-201	Total/NA	Solid	8021B	2399
880-1584-202	C-202	Total/NA	Solid	8021B	2399
MB 880-2392/5-A	Method Blank	Total/NA	Solid	8021B	2392
MB 880-2399/5-A	Method Blank	Total/NA	Solid	8021B	2399
LCS 880-2392/1-A	Lab Control Sample	Total/NA	Solid	8021B	2392
LCS 880-2399/1-A	Lab Control Sample	Total/NA	Solid	8021B	2399
LCSD 880-2392/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2392
LCSD 880-2399/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2399
880-1584-163 MS	C-163	Total/NA	Solid	8021B	2392
880-1584-163 MSD	C-163	Total/NA	Solid	8021B	2392
880-1584-183 MS	C-183	Total/NA	Solid	8021B	2399
880-1584-183 MSD	C-183	Total/NA	Solid	8021B	2399

Analysis Batch: 2480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-170	C-170	Total/NA	Solid	8021B	2456
880-1584-171	C-171	Total/NA	Solid	8021B	2456
880-1584-172	C-172	Total/NA	Solid	8021B	2452
MB 880-2452/5-A	Method Blank	Total/NA	Solid	8021B	2452
MB 880-2456/5-A	Method Blank	Total/NA	Solid	8021B	2456
LCS 880-2452/1-A	Lab Control Sample	Total/NA	Solid	8021B	2452
LCS 880-2456/1-A	Lab Control Sample	Total/NA	Solid	8021B	2456
LCSD 880-2452/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2452
LCSD 880-2456/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2456
880-1584-172 MS	C-172	Total/NA	Solid	8021B	2452
880-1584-172 MSD	C-172	Total/NA	Solid	8021B	2452

GC Semi VOA

Prep Batch: 2329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-25	C-25	Total/NA	Solid	8015NM Prep	
880-1584-26	C-26	Total/NA	Solid	8015NM Prep	
880-1584-27	C-27	Total/NA	Solid	8015NM Prep	
880-1584-28	C-28	Total/NA	Solid	8015NM Prep	
880-1584-29	C-29	Total/NA	Solid	8015NM Prep	
880-1584-30	C-30	Total/NA	Solid	8015NM Prep	
880-1584-31	C-31	Total/NA	Solid	8015NM Prep	
880-1584-32	C-32	Total/NA	Solid	8015NM Prep	
880-1584-33	C-33	Total/NA	Solid	8015NM Prep	
880-1584-34	C-34	Total/NA	Solid	8015NM Prep	
880-1584-37	C-37	Total/NA	Solid	8015NM Prep	
880-1584-38	C-38	Total/NA	Solid	8015NM Prep	
880-1584-39	C-39	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC Semi VOA (Continued)

Prep Batch: 2329 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-40	C-40	Total/NA	Solid	8015NM Prep	
880-1584-41	C-41	Total/NA	Solid	8015NM Prep	
880-1584-42	C-42	Total/NA	Solid	8015NM Prep	
880-1584-43	C-43	Total/NA	Solid	8015NM Prep	
880-1584-44	C-44	Total/NA	Solid	8015NM Prep	
880-1584-45	C-45	Total/NA	Solid	8015NM Prep	
880-1584-46	C-46	Total/NA	Solid	8015NM Prep	
MB 880-2329/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2329/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2329/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1584-25 MS	C-25	Total/NA	Solid	8015NM Prep	
880-1584-25 MSD	C-25	Total/NA	Solid	8015NM Prep	

Prep Batch: 2330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-47	C-47	Total/NA	Solid	8015NM Prep	
880-1584-48	C-48	Total/NA	Solid	8015NM Prep	
880-1584-49	C-49	Total/NA	Solid	8015NM Prep	
880-1584-50	C-50	Total/NA	Solid	8015NM Prep	
880-1584-51	C-51	Total/NA	Solid	8015NM Prep	
880-1584-52	C-52	Total/NA	Solid	8015NM Prep	
880-1584-53	C-53	Total/NA	Solid	8015NM Prep	
880-1584-54	C-54	Total/NA	Solid	8015NM Prep	
880-1584-55	C-55	Total/NA	Solid	8015NM Prep	
880-1584-56	C-56	Total/NA	Solid	8015NM Prep	
880-1584-57	C-57	Total/NA	Solid	8015NM Prep	
880-1584-58	C-58	Total/NA	Solid	8015NM Prep	
880-1584-59	C-59	Total/NA	Solid	8015NM Prep	
880-1584-60	C-60	Total/NA	Solid	8015NM Prep	
880-1584-61	C-61	Total/NA	Solid	8015NM Prep	
880-1584-62	C-62	Total/NA	Solid	8015NM Prep	
880-1584-63	C-63	Total/NA	Solid	8015NM Prep	
880-1584-64	C-64	Total/NA	Solid	8015NM Prep	
880-1584-65	C-65	Total/NA	Solid	8015NM Prep	
880-1584-66	C-66	Total/NA	Solid	8015NM Prep	
MB 880-2330/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2330/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2330/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1584-47 MS	C-47	Total/NA	Solid	8015NM Prep	
880-1584-47 MSD	C-47	Total/NA	Solid	8015NM Prep	

Prep Batch: 2331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-67	C-67	Total/NA	Solid	8015NM Prep	
880-1584-68	C-68	Total/NA	Solid	8015NM Prep	
880-1584-69	C-69	Total/NA	Solid	8015NM Prep	
880-1584-70	C-70	Total/NA	Solid	8015NM Prep	
880-1584-71	C-71	Total/NA	Solid	8015NM Prep	
880-1584-72	C-72	Total/NA	Solid	8015NM Prep	
880-1584-73	C-73	Total/NA	Solid	8015NM Prep	
880-1584-74	C-74	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC Semi VOA (Continued)

Prep Batch: 2331 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-75	C-75	Total/NA	Solid	8015NM Prep	
880-1584-76	C-76	Total/NA	Solid	8015NM Prep	
880-1584-77	C-77	Total/NA	Solid	8015NM Prep	
880-1584-78	C-78	Total/NA	Solid	8015NM Prep	
880-1584-79	C-79	Total/NA	Solid	8015NM Prep	
880-1584-80	C-80	Total/NA	Solid	8015NM Prep	
880-1584-81	C-81	Total/NA	Solid	8015NM Prep	
880-1584-82	C-82	Total/NA	Solid	8015NM Prep	
880-1584-83	C-83	Total/NA	Solid	8015NM Prep	
880-1584-84	C-84	Total/NA	Solid	8015NM Prep	
880-1584-85	C-85	Total/NA	Solid	8015NM Prep	
880-1584-86	C-86	Total/NA	Solid	8015NM Prep	
MB 880-2331/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2331/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2331/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1584-67 MS	C-67	Total/NA	Solid	8015NM Prep	
880-1584-67 MSD	C-67	Total/NA	Solid	8015NM Prep	

Prep Batch: 2332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-91	C-91	Total/NA	Solid	8015NM Prep	
880-1584-92	C-92	Total/NA	Solid	8015NM Prep	
880-1584-93	C-93	Total/NA	Solid	8015NM Prep	
880-1584-94	C-94	Total/NA	Solid	8015NM Prep	
880-1584-98	C-98	Total/NA	Solid	8015NM Prep	
880-1584-99	C-99	Total/NA	Solid	8015NM Prep	
880-1584-100	C-100	Total/NA	Solid	8015NM Prep	
880-1584-101	C-101	Total/NA	Solid	8015NM Prep	
880-1584-102	C-102	Total/NA	Solid	8015NM Prep	
880-1584-103	C-103	Total/NA	Solid	8015NM Prep	
880-1584-104	C-104	Total/NA	Solid	8015NM Prep	
880-1584-105	C-105	Total/NA	Solid	8015NM Prep	
880-1584-106	C-106	Total/NA	Solid	8015NM Prep	
880-1584-107	C-107	Total/NA	Solid	8015NM Prep	
880-1584-108	C-108	Total/NA	Solid	8015NM Prep	
880-1584-109	C-109	Total/NA	Solid	8015NM Prep	
880-1584-110	C-110	Total/NA	Solid	8015NM Prep	
880-1584-111	C-111	Total/NA	Solid	8015NM Prep	
880-1584-112	C-112	Total/NA	Solid	8015NM Prep	
880-1584-113	C-113	Total/NA	Solid	8015NM Prep	
MB 880-2332/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2332/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2332/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1584-91 MS	C-91	Total/NA	Solid	8015NM Prep	
880-1584-91 MSD	C-91	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-25	C-25	Total/NA	Solid	8015B NM	2329
880-1584-26	C-26	Total/NA	Solid	8015B NM	2329
880-1584-27	C-27	Total/NA	Solid	8015B NM	2329

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC Semi VOA (Continued)

Analysis Batch: 2363 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-28	C-28	Total/NA	Solid	8015B NM	2329
880-1584-29	C-29	Total/NA	Solid	8015B NM	2329
880-1584-30	C-30	Total/NA	Solid	8015B NM	2329
880-1584-31	C-31	Total/NA	Solid	8015B NM	2329
880-1584-32	C-32	Total/NA	Solid	8015B NM	2329
880-1584-33	C-33	Total/NA	Solid	8015B NM	2329
880-1584-34	C-34	Total/NA	Solid	8015B NM	2329
880-1584-37	C-37	Total/NA	Solid	8015B NM	2329
880-1584-38	C-38	Total/NA	Solid	8015B NM	2329
880-1584-39	C-39	Total/NA	Solid	8015B NM	2329
880-1584-40	C-40	Total/NA	Solid	8015B NM	2329
880-1584-41	C-41	Total/NA	Solid	8015B NM	2329
880-1584-42	C-42	Total/NA	Solid	8015B NM	2329
880-1584-43	C-43	Total/NA	Solid	8015B NM	2329
880-1584-44	C-44	Total/NA	Solid	8015B NM	2329
880-1584-45	C-45	Total/NA	Solid	8015B NM	2329
880-1584-46	C-46	Total/NA	Solid	8015B NM	2329
MB 880-2329/1-A	Method Blank	Total/NA	Solid	8015B NM	2329
LCS 880-2329/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2329
LCSD 880-2329/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2329
880-1584-25 MS	C-25	Total/NA	Solid	8015B NM	2329
880-1584-25 MSD	C-25	Total/NA	Solid	8015B NM	2329

Analysis Batch: 2365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-47	C-47	Total/NA	Solid	8015B NM	2330
880-1584-48	C-48	Total/NA	Solid	8015B NM	2330
880-1584-49	C-49	Total/NA	Solid	8015B NM	2330
880-1584-50	C-50	Total/NA	Solid	8015B NM	2330
880-1584-51	C-51	Total/NA	Solid	8015B NM	2330
880-1584-52	C-52	Total/NA	Solid	8015B NM	2330
880-1584-53	C-53	Total/NA	Solid	8015B NM	2330
880-1584-54	C-54	Total/NA	Solid	8015B NM	2330
880-1584-55	C-55	Total/NA	Solid	8015B NM	2330
880-1584-56	C-56	Total/NA	Solid	8015B NM	2330
880-1584-57	C-57	Total/NA	Solid	8015B NM	2330
880-1584-58	C-58	Total/NA	Solid	8015B NM	2330
880-1584-59	C-59	Total/NA	Solid	8015B NM	2330
880-1584-60	C-60	Total/NA	Solid	8015B NM	2330
880-1584-61	C-61	Total/NA	Solid	8015B NM	2330
880-1584-62	C-62	Total/NA	Solid	8015B NM	2330
880-1584-63	C-63	Total/NA	Solid	8015B NM	2330
880-1584-64	C-64	Total/NA	Solid	8015B NM	2330
880-1584-65	C-65	Total/NA	Solid	8015B NM	2330
880-1584-66	C-66	Total/NA	Solid	8015B NM	2330
MB 880-2330/1-A	Method Blank	Total/NA	Solid	8015B NM	2330
LCS 880-2330/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2330
LCSD 880-2330/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2330
880-1584-47 MS	C-47	Total/NA	Solid	8015B NM	2330
880-1584-47 MSD	C-47	Total/NA	Solid	8015B NM	2330

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC Semi VOA

Prep Batch: 2367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-114	C-114	Total/NA	Solid	8015NM Prep	
880-1584-115	C-115	Total/NA	Solid	8015NM Prep	
880-1584-116	C-116	Total/NA	Solid	8015NM Prep	
880-1584-117	C-117	Total/NA	Solid	8015NM Prep	
880-1584-118	C-118	Total/NA	Solid	8015NM Prep	
880-1584-119	C-119	Total/NA	Solid	8015NM Prep	
880-1584-120	C-120	Total/NA	Solid	8015NM Prep	
880-1584-121	C-121	Total/NA	Solid	8015NM Prep	
880-1584-122	C-122	Total/NA	Solid	8015NM Prep	
880-1584-123	C-123	Total/NA	Solid	8015NM Prep	
880-1584-124	C-124	Total/NA	Solid	8015NM Prep	
880-1584-125	C-125	Total/NA	Solid	8015NM Prep	
880-1584-126	C-126	Total/NA	Solid	8015NM Prep	
880-1584-127	C-127	Total/NA	Solid	8015NM Prep	
880-1584-128	C-128	Total/NA	Solid	8015NM Prep	
880-1584-129	C-129	Total/NA	Solid	8015NM Prep	
880-1584-130	C-130	Total/NA	Solid	8015NM Prep	
880-1584-131	C-131	Total/NA	Solid	8015NM Prep	
880-1584-132	C-132	Total/NA	Solid	8015NM Prep	
880-1584-133	C-133	Total/NA	Solid	8015NM Prep	
MB 880-2367/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2367/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1584-114 MS	C-114	Total/NA	Solid	8015NM Prep	
880-1584-114 MSD	C-114	Total/NA	Solid	8015NM Prep	

Prep Batch: 2368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-134	C-134	Total/NA	Solid	8015NM Prep	
880-1584-135	C-135	Total/NA	Solid	8015NM Prep	
880-1584-136	C-136	Total/NA	Solid	8015NM Prep	
880-1584-137	C-137	Total/NA	Solid	8015NM Prep	
880-1584-138	C-138	Total/NA	Solid	8015NM Prep	
880-1584-139	C-139	Total/NA	Solid	8015NM Prep	
880-1584-140	C-140	Total/NA	Solid	8015NM Prep	
880-1584-141	C-141	Total/NA	Solid	8015NM Prep	
880-1584-142	C-142	Total/NA	Solid	8015NM Prep	
880-1584-143	C-143	Total/NA	Solid	8015NM Prep	
880-1584-144	C-144	Total/NA	Solid	8015NM Prep	
880-1584-145	C-145	Total/NA	Solid	8015NM Prep	
880-1584-146	C-146	Total/NA	Solid	8015NM Prep	
880-1584-147	C-147	Total/NA	Solid	8015NM Prep	
880-1584-148	C-148	Total/NA	Solid	8015NM Prep	
880-1584-149	C-149	Total/NA	Solid	8015NM Prep	
880-1584-150	C-150	Total/NA	Solid	8015NM Prep	
880-1584-151	C-151	Total/NA	Solid	8015NM Prep	
880-1584-152	C-152	Total/NA	Solid	8015NM Prep	
880-1584-153	C-153	Total/NA	Solid	8015NM Prep	
MB 880-2368/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2368/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2368/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC Semi VOA (Continued)

Prep Batch: 2368 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-134 MS	C-134	Total/NA	Solid	8015NM Prep	
880-1584-134 MSD	C-134	Total/NA	Solid	8015NM Prep	

Prep Batch: 2373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-154	C-154	Total/NA	Solid	8015NM Prep	
880-1584-155	C-155	Total/NA	Solid	8015NM Prep	
880-1584-156	C-156	Total/NA	Solid	8015NM Prep	
880-1584-157	C-157	Total/NA	Solid	8015NM Prep	
880-1584-158	C-158	Total/NA	Solid	8015NM Prep	
880-1584-159	C-159	Total/NA	Solid	8015NM Prep	
880-1584-160	C-160	Total/NA	Solid	8015NM Prep	
880-1584-161	C-161	Total/NA	Solid	8015NM Prep	
880-1584-162	C-162	Total/NA	Solid	8015NM Prep	
880-1584-163	C-163	Total/NA	Solid	8015NM Prep	
880-1584-164	C-164	Total/NA	Solid	8015NM Prep	
880-1584-165	C-165	Total/NA	Solid	8015NM Prep	
880-1584-166	C-166	Total/NA	Solid	8015NM Prep	
880-1584-167	C-167	Total/NA	Solid	8015NM Prep	
880-1584-168	C-168	Total/NA	Solid	8015NM Prep	
880-1584-169	C-169	Total/NA	Solid	8015NM Prep	
880-1584-170	C-170	Total/NA	Solid	8015NM Prep	
880-1584-171	C-171	Total/NA	Solid	8015NM Prep	
880-1584-172	C-172	Total/NA	Solid	8015NM Prep	
880-1584-173	C-173	Total/NA	Solid	8015NM Prep	
MB 880-2373/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2373/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2373/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1584-154 MS	C-154	Total/NA	Solid	8015NM Prep	
880-1584-154 MSD	C-154	Total/NA	Solid	8015NM Prep	

Prep Batch: 2376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-174	C-174	Total/NA	Solid	8015NM Prep	
880-1584-175	C-175	Total/NA	Solid	8015NM Prep	
880-1584-176	C-176	Total/NA	Solid	8015NM Prep	
880-1584-177	C-177	Total/NA	Solid	8015NM Prep	
880-1584-178	C-178	Total/NA	Solid	8015NM Prep	
880-1584-179	C-179	Total/NA	Solid	8015NM Prep	
880-1584-180	C-180	Total/NA	Solid	8015NM Prep	
880-1584-181	C-181	Total/NA	Solid	8015NM Prep	
880-1584-182	C-182	Total/NA	Solid	8015NM Prep	
880-1584-183	C-183	Total/NA	Solid	8015NM Prep	
880-1584-184	C-184	Total/NA	Solid	8015NM Prep	
880-1584-185	C-185	Total/NA	Solid	8015NM Prep	
880-1584-186	C-186	Total/NA	Solid	8015NM Prep	
880-1584-187	C-187	Total/NA	Solid	8015NM Prep	
880-1584-188	C-188	Total/NA	Solid	8015NM Prep	
880-1584-189	C-189	Total/NA	Solid	8015NM Prep	
880-1584-190	C-190	Total/NA	Solid	8015NM Prep	
880-1584-191	C-191	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC Semi VOA (Continued)

Prep Batch: 2376 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-192	C-192	Total/NA	Solid	8015NM Prep	
880-1584-193	C-193	Total/NA	Solid	8015NM Prep	
MB 880-2376/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2376/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1584-174 MS	C-174	Total/NA	Solid	8015NM Prep	
880-1584-174 MSD	C-174	Total/NA	Solid	8015NM Prep	

Prep Batch: 2377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-194	C-194	Total/NA	Solid	8015NM Prep	
880-1584-195	C-195	Total/NA	Solid	8015NM Prep	
880-1584-196	C-196	Total/NA	Solid	8015NM Prep	
880-1584-197	C-197	Total/NA	Solid	8015NM Prep	
MB 880-2377/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2377/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2377/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1584-194 MS	C-194	Total/NA	Solid	8015NM Prep	
880-1584-194 MSD	C-194	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-67	C-67	Total/NA	Solid	8015B NM	2331
880-1584-68	C-68	Total/NA	Solid	8015B NM	2331
880-1584-69	C-69	Total/NA	Solid	8015B NM	2331
880-1584-70	C-70	Total/NA	Solid	8015B NM	2331
880-1584-71	C-71	Total/NA	Solid	8015B NM	2331
880-1584-72	C-72	Total/NA	Solid	8015B NM	2331
880-1584-73	C-73	Total/NA	Solid	8015B NM	2331
880-1584-74	C-74	Total/NA	Solid	8015B NM	2331
880-1584-75	C-75	Total/NA	Solid	8015B NM	2331
880-1584-76	C-76	Total/NA	Solid	8015B NM	2331
880-1584-77	C-77	Total/NA	Solid	8015B NM	2331
880-1584-78	C-78	Total/NA	Solid	8015B NM	2331
880-1584-79	C-79	Total/NA	Solid	8015B NM	2331
880-1584-80	C-80	Total/NA	Solid	8015B NM	2331
880-1584-81	C-81	Total/NA	Solid	8015B NM	2331
880-1584-82	C-82	Total/NA	Solid	8015B NM	2331
880-1584-83	C-83	Total/NA	Solid	8015B NM	2331
880-1584-84	C-84	Total/NA	Solid	8015B NM	2331
880-1584-85	C-85	Total/NA	Solid	8015B NM	2331
880-1584-86	C-86	Total/NA	Solid	8015B NM	2331
MB 880-2331/1-A	Method Blank	Total/NA	Solid	8015B NM	2331
LCS 880-2331/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2331
LCSD 880-2331/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2331
880-1584-67 MS	C-67	Total/NA	Solid	8015B NM	2331
880-1584-67 MSD	C-67	Total/NA	Solid	8015B NM	2331

Analysis Batch: 2425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-194	C-194	Total/NA	Solid	8015B NM	2377

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC Semi VOA (Continued)

Analysis Batch: 2425 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-195	C-195	Total/NA	Solid	8015B NM	2377
880-1584-196	C-196	Total/NA	Solid	8015B NM	2377
880-1584-197	C-197	Total/NA	Solid	8015B NM	2377
MB 880-2377/1-A	Method Blank	Total/NA	Solid	8015B NM	2377
LCS 880-2377/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2377
LCSD 880-2377/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2377
880-1584-194 MS	C-194	Total/NA	Solid	8015B NM	2377
880-1584-194 MSD	C-194	Total/NA	Solid	8015B NM	2377

Prep Batch: 2430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-198	C-198	Total/NA	Solid	8015NM Prep	
880-1584-199	C-199	Total/NA	Solid	8015NM Prep	
880-1584-200	C-200	Total/NA	Solid	8015NM Prep	
880-1584-201	C-201	Total/NA	Solid	8015NM Prep	
880-1584-202	C-202	Total/NA	Solid	8015NM Prep	
880-1584-203	C-203	Total/NA	Solid	8015NM Prep	
880-1584-204	C-204	Total/NA	Solid	8015NM Prep	
880-1584-205	C-205	Total/NA	Solid	8015NM Prep	
880-1584-206	C-206	Total/NA	Solid	8015NM Prep	
880-1584-207	C-207	Total/NA	Solid	8015NM Prep	
880-1584-208	C-208	Total/NA	Solid	8015NM Prep	
880-1584-209	C-209	Total/NA	Solid	8015NM Prep	
MB 880-2430/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2430/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2430/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1660-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-1660-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-91	C-91	Total/NA	Solid	8015B NM	2332
880-1584-92	C-92	Total/NA	Solid	8015B NM	2332
880-1584-93	C-93	Total/NA	Solid	8015B NM	2332
880-1584-94	C-94	Total/NA	Solid	8015B NM	2332
880-1584-98	C-98	Total/NA	Solid	8015B NM	2332
880-1584-99	C-99	Total/NA	Solid	8015B NM	2332
880-1584-100	C-100	Total/NA	Solid	8015B NM	2332
880-1584-101	C-101	Total/NA	Solid	8015B NM	2332
880-1584-102	C-102	Total/NA	Solid	8015B NM	2332
880-1584-103	C-103	Total/NA	Solid	8015B NM	2332
880-1584-104	C-104	Total/NA	Solid	8015B NM	2332
880-1584-105	C-105	Total/NA	Solid	8015B NM	2332
880-1584-106	C-106	Total/NA	Solid	8015B NM	2332
880-1584-107	C-107	Total/NA	Solid	8015B NM	2332
880-1584-108	C-108	Total/NA	Solid	8015B NM	2332
880-1584-109	C-109	Total/NA	Solid	8015B NM	2332
880-1584-110	C-110	Total/NA	Solid	8015B NM	2332
880-1584-111	C-111	Total/NA	Solid	8015B NM	2332
880-1584-112	C-112	Total/NA	Solid	8015B NM	2332
880-1584-113	C-113	Total/NA	Solid	8015B NM	2332

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC Semi VOA (Continued)

Analysis Batch: 2466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-198	C-198	Total/NA	Solid	8015B NM	2430
880-1584-199	C-199	Total/NA	Solid	8015B NM	2430
880-1584-200	C-200	Total/NA	Solid	8015B NM	2430
880-1584-201	C-201	Total/NA	Solid	8015B NM	2430
880-1584-202	C-202	Total/NA	Solid	8015B NM	2430
880-1584-203	C-203	Total/NA	Solid	8015B NM	2430
880-1584-204	C-204	Total/NA	Solid	8015B NM	2430
880-1584-205	C-205	Total/NA	Solid	8015B NM	2430
880-1584-206	C-206	Total/NA	Solid	8015B NM	2430
880-1584-207	C-207	Total/NA	Solid	8015B NM	2430
880-1584-208	C-208	Total/NA	Solid	8015B NM	2430
880-1584-209	C-209	Total/NA	Solid	8015B NM	2430
MB 880-2332/1-A	Method Blank	Total/NA	Solid	8015B NM	2332
MB 880-2430/1-A	Method Blank	Total/NA	Solid	8015B NM	2430
LCS 880-2332/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2332
LCS 880-2430/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2430
LCSD 880-2332/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2332
LCSD 880-2430/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2430
880-1584-91 MS	C-91	Total/NA	Solid	8015B NM	2332
880-1584-91 MSD	C-91	Total/NA	Solid	8015B NM	2332
880-1660-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	2430
880-1660-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	2430

Analysis Batch: 2468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-114	C-114	Total/NA	Solid	8015B NM	2367
880-1584-115	C-115	Total/NA	Solid	8015B NM	2367
880-1584-116	C-116	Total/NA	Solid	8015B NM	2367
880-1584-117	C-117	Total/NA	Solid	8015B NM	2367
880-1584-118	C-118	Total/NA	Solid	8015B NM	2367
880-1584-119	C-119	Total/NA	Solid	8015B NM	2367
880-1584-120	C-120	Total/NA	Solid	8015B NM	2367
880-1584-121	C-121	Total/NA	Solid	8015B NM	2367
880-1584-122	C-122	Total/NA	Solid	8015B NM	2367
880-1584-123	C-123	Total/NA	Solid	8015B NM	2367
880-1584-124	C-124	Total/NA	Solid	8015B NM	2367
880-1584-125	C-125	Total/NA	Solid	8015B NM	2367
880-1584-126	C-126	Total/NA	Solid	8015B NM	2367
880-1584-127	C-127	Total/NA	Solid	8015B NM	2367
880-1584-128	C-128	Total/NA	Solid	8015B NM	2367
880-1584-129	C-129	Total/NA	Solid	8015B NM	2367
880-1584-130	C-130	Total/NA	Solid	8015B NM	2367
880-1584-131	C-131	Total/NA	Solid	8015B NM	2367
880-1584-132	C-132	Total/NA	Solid	8015B NM	2367
880-1584-133	C-133	Total/NA	Solid	8015B NM	2367
MB 880-2367/1-A	Method Blank	Total/NA	Solid	8015B NM	2367
MB 880-2505/1-A	Method Blank	Total/NA	Solid	8015B NM	2505
LCS 880-2367/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2367
LCS 880-2505/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2505
LCSD 880-2367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2367
LCSD 880-2505/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2505

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC Semi VOA (Continued)

Analysis Batch: 2468 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-114 MS	C-114	Total/NA	Solid	8015B NM	2367
880-1584-114 MSD	C-114	Total/NA	Solid	8015B NM	2367
890-589-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	2505
890-589-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	2505

Analysis Batch: 2484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-134	C-134	Total/NA	Solid	8015B NM	2368
880-1584-135	C-135	Total/NA	Solid	8015B NM	2368
880-1584-136	C-136	Total/NA	Solid	8015B NM	2368
880-1584-137	C-137	Total/NA	Solid	8015B NM	2368
880-1584-138	C-138	Total/NA	Solid	8015B NM	2368
880-1584-139	C-139	Total/NA	Solid	8015B NM	2368
880-1584-140	C-140	Total/NA	Solid	8015B NM	2368
880-1584-141	C-141	Total/NA	Solid	8015B NM	2368
880-1584-142	C-142	Total/NA	Solid	8015B NM	2368
880-1584-143	C-143	Total/NA	Solid	8015B NM	2368
880-1584-144	C-144	Total/NA	Solid	8015B NM	2368
880-1584-145	C-145	Total/NA	Solid	8015B NM	2368
880-1584-146	C-146	Total/NA	Solid	8015B NM	2368
880-1584-147	C-147	Total/NA	Solid	8015B NM	2368
880-1584-148	C-148	Total/NA	Solid	8015B NM	2368
880-1584-149	C-149	Total/NA	Solid	8015B NM	2368
880-1584-150	C-150	Total/NA	Solid	8015B NM	2368
880-1584-151	C-151	Total/NA	Solid	8015B NM	2368
880-1584-152	C-152	Total/NA	Solid	8015B NM	2368
880-1584-153	C-153	Total/NA	Solid	8015B NM	2368
MB 880-2368/1-A	Method Blank	Total/NA	Solid	8015B NM	2368
LCS 880-2368/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2368
LCSD 880-2368/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2368
880-1584-134 MS	C-134	Total/NA	Solid	8015B NM	2368
880-1584-134 MSD	C-134	Total/NA	Solid	8015B NM	2368

Prep Batch: 2505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2505/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2505/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2505/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-589-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-589-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 2520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-154	C-154	Total/NA	Solid	8015B NM	2373
880-1584-155	C-155	Total/NA	Solid	8015B NM	2373
880-1584-156	C-156	Total/NA	Solid	8015B NM	2373
880-1584-157	C-157	Total/NA	Solid	8015B NM	2373
880-1584-158	C-158	Total/NA	Solid	8015B NM	2373
880-1584-159	C-159	Total/NA	Solid	8015B NM	2373
880-1584-160	C-160	Total/NA	Solid	8015B NM	2373
880-1584-161	C-161	Total/NA	Solid	8015B NM	2373

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

GC Semi VOA (Continued)

Analysis Batch: 2520 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-162	C-162	Total/NA	Solid	8015B NM	2373
880-1584-163	C-163	Total/NA	Solid	8015B NM	2373
880-1584-164	C-164	Total/NA	Solid	8015B NM	2373
880-1584-165	C-165	Total/NA	Solid	8015B NM	2373
880-1584-166	C-166	Total/NA	Solid	8015B NM	2373
880-1584-167	C-167	Total/NA	Solid	8015B NM	2373
880-1584-168	C-168	Total/NA	Solid	8015B NM	2373
880-1584-169	C-169	Total/NA	Solid	8015B NM	2373
880-1584-170	C-170	Total/NA	Solid	8015B NM	2373
880-1584-171	C-171	Total/NA	Solid	8015B NM	2373
880-1584-172	C-172	Total/NA	Solid	8015B NM	2373
880-1584-173	C-173	Total/NA	Solid	8015B NM	2373
MB 880-2373/1-A	Method Blank	Total/NA	Solid	8015B NM	2373
LCS 880-2373/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2373
LCSD 880-2373/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2373
880-1584-154 MS	C-154	Total/NA	Solid	8015B NM	2373
880-1584-154 MSD	C-154	Total/NA	Solid	8015B NM	2373

Analysis Batch: 2527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-174	C-174	Total/NA	Solid	8015B NM	2376
880-1584-175	C-175	Total/NA	Solid	8015B NM	2376
880-1584-176	C-176	Total/NA	Solid	8015B NM	2376
880-1584-177	C-177	Total/NA	Solid	8015B NM	2376
880-1584-178	C-178	Total/NA	Solid	8015B NM	2376
880-1584-179	C-179	Total/NA	Solid	8015B NM	2376
880-1584-180	C-180	Total/NA	Solid	8015B NM	2376
880-1584-181	C-181	Total/NA	Solid	8015B NM	2376
880-1584-182	C-182	Total/NA	Solid	8015B NM	2376
880-1584-183	C-183	Total/NA	Solid	8015B NM	2376
880-1584-184	C-184	Total/NA	Solid	8015B NM	2376
880-1584-185	C-185	Total/NA	Solid	8015B NM	2376
880-1584-186	C-186	Total/NA	Solid	8015B NM	2376
880-1584-187	C-187	Total/NA	Solid	8015B NM	2376
880-1584-188	C-188	Total/NA	Solid	8015B NM	2376
880-1584-189	C-189	Total/NA	Solid	8015B NM	2376
880-1584-190	C-190	Total/NA	Solid	8015B NM	2376
880-1584-191	C-191	Total/NA	Solid	8015B NM	2376
880-1584-192	C-192	Total/NA	Solid	8015B NM	2376
880-1584-193	C-193	Total/NA	Solid	8015B NM	2376
MB 880-2376/1-A	Method Blank	Total/NA	Solid	8015B NM	2376
LCS 880-2376/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2376
LCSD 880-2376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2376
880-1584-174 MS	C-174	Total/NA	Solid	8015B NM	2376
880-1584-174 MSD	C-174	Total/NA	Solid	8015B NM	2376

HPLC/IC

Leach Batch: 2344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-140	C-140	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

HPLC/IC (Continued)

Leach Batch: 2344 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-141	C-141	Soluble	Solid	DI Leach	
880-1584-142	C-142	Soluble	Solid	DI Leach	
880-1584-143	C-143	Soluble	Solid	DI Leach	
880-1584-144	C-144	Soluble	Solid	DI Leach	
880-1584-145	C-145	Soluble	Solid	DI Leach	
880-1584-146	C-146	Soluble	Solid	DI Leach	
880-1584-147	C-147	Soluble	Solid	DI Leach	
880-1584-148	C-148	Soluble	Solid	DI Leach	
880-1584-149	C-149	Soluble	Solid	DI Leach	
880-1584-150	C-150	Soluble	Solid	DI Leach	
880-1584-151	C-151	Soluble	Solid	DI Leach	
880-1584-152	C-152	Soluble	Solid	DI Leach	
880-1584-153	C-153	Soluble	Solid	DI Leach	
880-1584-154	C-154	Soluble	Solid	DI Leach	
MB 880-2344/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2344/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2344/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1584-140 MS	C-140	Soluble	Solid	DI Leach	
880-1584-140 MSD	C-140	Soluble	Solid	DI Leach	
880-1584-150 MS	C-150	Soluble	Solid	DI Leach	
880-1584-150 MSD	C-150	Soluble	Solid	DI Leach	

Leach Batch: 2347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-138	C-138	Soluble	Solid	DI Leach	
880-1584-139	C-139	Soluble	Solid	DI Leach	
MB 880-2347/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2347/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2347/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1584-138 MS	C-138	Soluble	Solid	DI Leach	
880-1584-138 MSD	C-138	Soluble	Solid	DI Leach	

Analysis Batch: 2361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-140	C-140	Soluble	Solid	300.0	2344
880-1584-141	C-141	Soluble	Solid	300.0	2344
880-1584-142	C-142	Soluble	Solid	300.0	2344
880-1584-143	C-143	Soluble	Solid	300.0	2344
880-1584-144	C-144	Soluble	Solid	300.0	2344
880-1584-145	C-145	Soluble	Solid	300.0	2344
880-1584-146	C-146	Soluble	Solid	300.0	2344
880-1584-147	C-147	Soluble	Solid	300.0	2344
880-1584-148	C-148	Soluble	Solid	300.0	2344
880-1584-149	C-149	Soluble	Solid	300.0	2344
880-1584-150	C-150	Soluble	Solid	300.0	2344
880-1584-151	C-151	Soluble	Solid	300.0	2344
880-1584-152	C-152	Soluble	Solid	300.0	2344
880-1584-153	C-153	Soluble	Solid	300.0	2344
880-1584-154	C-154	Soluble	Solid	300.0	2344
MB 880-2344/1-A	Method Blank	Soluble	Solid	300.0	2344
LCS 880-2344/2-A	Lab Control Sample	Soluble	Solid	300.0	2344

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

HPLC/IC (Continued)

Analysis Batch: 2361 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-2344/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2344
880-1584-140 MS	C-140	Soluble	Solid	300.0	2344
880-1584-140 MSD	C-140	Soluble	Solid	300.0	2344
880-1584-150 MS	C-150	Soluble	Solid	300.0	2344
880-1584-150 MSD	C-150	Soluble	Solid	300.0	2344

Analysis Batch: 2362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-138	C-138	Soluble	Solid	300.0	2347
880-1584-139	C-139	Soluble	Solid	300.0	2347
MB 880-2347/1-A	Method Blank	Soluble	Solid	300.0	2347
LCS 880-2347/2-A	Lab Control Sample	Soluble	Solid	300.0	2347
LCSD 880-2347/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2347
880-1584-138 MS	C-138	Soluble	Solid	300.0	2347
880-1584-138 MSD	C-138	Soluble	Solid	300.0	2347

Leach Batch: 2382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-155	C-155	Soluble	Solid	DI Leach	
880-1584-156	C-156	Soluble	Solid	DI Leach	
880-1584-157	C-157	Soluble	Solid	DI Leach	
880-1584-158	C-158	Soluble	Solid	DI Leach	
880-1584-159	C-159	Soluble	Solid	DI Leach	
880-1584-160	C-160	Soluble	Solid	DI Leach	
880-1584-161	C-161	Soluble	Solid	DI Leach	
880-1584-162	C-162	Soluble	Solid	DI Leach	
880-1584-163	C-163	Soluble	Solid	DI Leach	
880-1584-164	C-164	Soluble	Solid	DI Leach	
880-1584-165	C-165	Soluble	Solid	DI Leach	
880-1584-166	C-166	Soluble	Solid	DI Leach	
880-1584-167	C-167	Soluble	Solid	DI Leach	
880-1584-168	C-168	Soluble	Solid	DI Leach	
880-1584-169	C-169	Soluble	Solid	DI Leach	
880-1584-170	C-170	Soluble	Solid	DI Leach	
880-1584-171	C-171	Soluble	Solid	DI Leach	
880-1584-172	C-172	Soluble	Solid	DI Leach	
880-1584-173	C-173	Soluble	Solid	DI Leach	
880-1584-174	C-174	Soluble	Solid	DI Leach	
MB 880-2382/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2382/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2382/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1584-155 MS	C-155	Soluble	Solid	DI Leach	
880-1584-155 MSD	C-155	Soluble	Solid	DI Leach	
880-1584-165 MS	C-165	Soluble	Solid	DI Leach	
880-1584-165 MSD	C-165	Soluble	Solid	DI Leach	

Leach Batch: 2383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-175	C-175	Soluble	Solid	DI Leach	
880-1584-176	C-176	Soluble	Solid	DI Leach	
880-1584-177	C-177	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

HPLC/IC (Continued)

Leach Batch: 2383 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-178	C-178	Soluble	Solid	DI Leach	
880-1584-179	C-179	Soluble	Solid	DI Leach	
880-1584-180	C-180	Soluble	Solid	DI Leach	
880-1584-181	C-181	Soluble	Solid	DI Leach	
880-1584-182	C-182	Soluble	Solid	DI Leach	
880-1584-183	C-183	Soluble	Solid	DI Leach	
880-1584-184	C-184	Soluble	Solid	DI Leach	
880-1584-185	C-185	Soluble	Solid	DI Leach	
880-1584-186	C-186	Soluble	Solid	DI Leach	
880-1584-187	C-187	Soluble	Solid	DI Leach	
880-1584-188	C-188	Soluble	Solid	DI Leach	
880-1584-189	C-189	Soluble	Solid	DI Leach	
880-1584-190	C-190	Soluble	Solid	DI Leach	
880-1584-191	C-191	Soluble	Solid	DI Leach	
880-1584-192	C-192	Soluble	Solid	DI Leach	
880-1584-193	C-193	Soluble	Solid	DI Leach	
880-1584-194	C-194	Soluble	Solid	DI Leach	
MB 880-2383/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2383/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2383/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1584-175 MS	C-175	Soluble	Solid	DI Leach	
880-1584-175 MSD	C-175	Soluble	Solid	DI Leach	
880-1584-185 MS	C-185	Soluble	Solid	DI Leach	
880-1584-185 MSD	C-185	Soluble	Solid	DI Leach	

Leach Batch: 2386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-195	C-195	Soluble	Solid	DI Leach	
880-1584-196	C-196	Soluble	Solid	DI Leach	
880-1584-197	C-197	Soluble	Solid	DI Leach	
880-1584-198	C-198	Soluble	Solid	DI Leach	
880-1584-199	C-199	Soluble	Solid	DI Leach	
880-1584-200	C-200	Soluble	Solid	DI Leach	
880-1584-201	C-201	Soluble	Solid	DI Leach	
880-1584-202	C-202	Soluble	Solid	DI Leach	
880-1584-203	C-203	Soluble	Solid	DI Leach	
880-1584-204	C-204	Soluble	Solid	DI Leach	
880-1584-205	C-205	Soluble	Solid	DI Leach	
880-1584-206	C-206	Soluble	Solid	DI Leach	
880-1584-207	C-207	Soluble	Solid	DI Leach	
880-1584-208	C-208	Soluble	Solid	DI Leach	
880-1584-209	C-209	Soluble	Solid	DI Leach	
MB 880-2386/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2386/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2386/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1584-195 MS	C-195	Soluble	Solid	DI Leach	
880-1584-195 MSD	C-195	Soluble	Solid	DI Leach	
880-1584-205 MS	C-205	Soluble	Solid	DI Leach	
880-1584-205 MSD	C-205	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

HPLC/IC

Leach Batch: 2387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-25	C-25	Soluble	Solid	DI Leach	
880-1584-26	C-26	Soluble	Solid	DI Leach	
880-1584-27	C-27	Soluble	Solid	DI Leach	
880-1584-28	C-28	Soluble	Solid	DI Leach	
MB 880-2387/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2387/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2387/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1584-25 MS	C-25	Soluble	Solid	DI Leach	
880-1584-25 MSD	C-25	Soluble	Solid	DI Leach	

Leach Batch: 2389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-29	C-29	Soluble	Solid	DI Leach	
880-1584-30	C-30	Soluble	Solid	DI Leach	
880-1584-31	C-31	Soluble	Solid	DI Leach	
880-1584-32	C-32	Soluble	Solid	DI Leach	
880-1584-33	C-33	Soluble	Solid	DI Leach	
880-1584-34	C-34	Soluble	Solid	DI Leach	
880-1584-37	C-37	Soluble	Solid	DI Leach	
880-1584-38	C-38	Soluble	Solid	DI Leach	
880-1584-39	C-39	Soluble	Solid	DI Leach	
880-1584-40	C-40	Soluble	Solid	DI Leach	
880-1584-41	C-41	Soluble	Solid	DI Leach	
880-1584-42	C-42	Soluble	Solid	DI Leach	
880-1584-43	C-43	Soluble	Solid	DI Leach	
880-1584-44	C-44	Soluble	Solid	DI Leach	
880-1584-45	C-45	Soluble	Solid	DI Leach	
880-1584-46	C-46	Soluble	Solid	DI Leach	
880-1584-47	C-47	Soluble	Solid	DI Leach	
880-1584-48	C-48	Soluble	Solid	DI Leach	
880-1584-49	C-49	Soluble	Solid	DI Leach	
880-1584-50	C-50	Soluble	Solid	DI Leach	
MB 880-2389/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2389/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2389/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1584-29 MS	C-29	Soluble	Solid	DI Leach	
880-1584-29 MSD	C-29	Soluble	Solid	DI Leach	
880-1584-41 MS	C-41	Soluble	Solid	DI Leach	
880-1584-41 MSD	C-41	Soluble	Solid	DI Leach	

Leach Batch: 2390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-51	C-51	Soluble	Solid	DI Leach	
880-1584-52	C-52	Soluble	Solid	DI Leach	
880-1584-53	C-53	Soluble	Solid	DI Leach	
880-1584-54	C-54	Soluble	Solid	DI Leach	
880-1584-55	C-55	Soluble	Solid	DI Leach	
880-1584-56	C-56	Soluble	Solid	DI Leach	
880-1584-57	C-57	Soluble	Solid	DI Leach	
880-1584-58	C-58	Soluble	Solid	DI Leach	
880-1584-59	C-59	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

HPLC/IC (Continued)

Leach Batch: 2390 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-60	C-60	Soluble	Solid	DI Leach	
880-1584-61	C-61	Soluble	Solid	DI Leach	
880-1584-62	C-62	Soluble	Solid	DI Leach	
880-1584-63	C-63	Soluble	Solid	DI Leach	
880-1584-64	C-64	Soluble	Solid	DI Leach	
880-1584-65	C-65	Soluble	Solid	DI Leach	
880-1584-66	C-66	Soluble	Solid	DI Leach	
880-1584-67	C-67	Soluble	Solid	DI Leach	
880-1584-68	C-68	Soluble	Solid	DI Leach	
880-1584-69	C-69	Soluble	Solid	DI Leach	
880-1584-70	C-70	Soluble	Solid	DI Leach	
MB 880-2390/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2390/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2390/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1584-51 MS	C-51	Soluble	Solid	DI Leach	
880-1584-51 MSD	C-51	Soluble	Solid	DI Leach	
880-1584-61 MS	C-61	Soluble	Solid	DI Leach	
880-1584-61 MSD	C-61	Soluble	Solid	DI Leach	

Leach Batch: 2391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-71	C-71	Soluble	Solid	DI Leach	
880-1584-72	C-72	Soluble	Solid	DI Leach	
880-1584-73	C-73	Soluble	Solid	DI Leach	
880-1584-74	C-74	Soluble	Solid	DI Leach	
880-1584-75	C-75	Soluble	Solid	DI Leach	
880-1584-76	C-76	Soluble	Solid	DI Leach	
880-1584-77	C-77	Soluble	Solid	DI Leach	
880-1584-78	C-78	Soluble	Solid	DI Leach	
880-1584-79	C-79	Soluble	Solid	DI Leach	
880-1584-80	C-80	Soluble	Solid	DI Leach	
880-1584-81	C-81	Soluble	Solid	DI Leach	
880-1584-82	C-82	Soluble	Solid	DI Leach	
880-1584-83	C-83	Soluble	Solid	DI Leach	
880-1584-84	C-84	Soluble	Solid	DI Leach	
880-1584-85	C-85	Soluble	Solid	DI Leach	
880-1584-86	C-86	Soluble	Solid	DI Leach	
880-1584-91	C-91	Soluble	Solid	DI Leach	
880-1584-92	C-92	Soluble	Solid	DI Leach	
880-1584-93	C-93	Soluble	Solid	DI Leach	
880-1584-94	C-94	Soluble	Solid	DI Leach	
MB 880-2391/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2391/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2391/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1584-71 MS	C-71	Soluble	Solid	DI Leach	
880-1584-71 MSD	C-71	Soluble	Solid	DI Leach	
880-1584-81 MS	C-81	Soluble	Solid	DI Leach	
880-1584-81 MSD	C-81	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

HPLC/IC

Leach Batch: 2393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-98	C-98	Soluble	Solid	DI Leach	
880-1584-99	C-99	Soluble	Solid	DI Leach	
880-1584-100	C-100	Soluble	Solid	DI Leach	
880-1584-101	C-101	Soluble	Solid	DI Leach	
880-1584-102	C-102	Soluble	Solid	DI Leach	
880-1584-103	C-103	Soluble	Solid	DI Leach	
880-1584-104	C-104	Soluble	Solid	DI Leach	
880-1584-105	C-105	Soluble	Solid	DI Leach	
880-1584-106	C-106	Soluble	Solid	DI Leach	
880-1584-107	C-107	Soluble	Solid	DI Leach	
880-1584-108	C-108	Soluble	Solid	DI Leach	
880-1584-109	C-109	Soluble	Solid	DI Leach	
880-1584-110	C-110	Soluble	Solid	DI Leach	
880-1584-111	C-111	Soluble	Solid	DI Leach	
880-1584-112	C-112	Soluble	Solid	DI Leach	
880-1584-113	C-113	Soluble	Solid	DI Leach	
880-1584-114	C-114	Soluble	Solid	DI Leach	
880-1584-115	C-115	Soluble	Solid	DI Leach	
880-1584-116	C-116	Soluble	Solid	DI Leach	
880-1584-117	C-117	Soluble	Solid	DI Leach	
MB 880-2393/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2393/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2393/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1584-98 MS	C-98	Soluble	Solid	DI Leach	
880-1584-98 MSD	C-98	Soluble	Solid	DI Leach	
880-1584-108 MS	C-108	Soluble	Solid	DI Leach	
880-1584-108 MSD	C-108	Soluble	Solid	DI Leach	

Leach Batch: 2395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-118	C-118	Soluble	Solid	DI Leach	
880-1584-119	C-119	Soluble	Solid	DI Leach	
880-1584-120	C-120	Soluble	Solid	DI Leach	
880-1584-121	C-121	Soluble	Solid	DI Leach	
880-1584-122	C-122	Soluble	Solid	DI Leach	
880-1584-123	C-123	Soluble	Solid	DI Leach	
880-1584-124	C-124	Soluble	Solid	DI Leach	
880-1584-125	C-125	Soluble	Solid	DI Leach	
880-1584-126	C-126	Soluble	Solid	DI Leach	
880-1584-127	C-127	Soluble	Solid	DI Leach	
880-1584-128	C-128	Soluble	Solid	DI Leach	
880-1584-129	C-129	Soluble	Solid	DI Leach	
880-1584-130	C-130	Soluble	Solid	DI Leach	
880-1584-131	C-131	Soluble	Solid	DI Leach	
880-1584-132	C-132	Soluble	Solid	DI Leach	
880-1584-133	C-133	Soluble	Solid	DI Leach	
880-1584-134	C-134	Soluble	Solid	DI Leach	
880-1584-135	C-135	Soluble	Solid	DI Leach	
880-1584-136	C-136	Soluble	Solid	DI Leach	
880-1584-137	C-137	Soluble	Solid	DI Leach	
MB 880-2395/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

HPLC/IC (Continued)

Leach Batch: 2395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-2395/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2395/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1584-118 MS	C-118	Soluble	Solid	DI Leach	
880-1584-118 MSD	C-118	Soluble	Solid	DI Leach	
880-1584-128 MS	C-128	Soluble	Solid	DI Leach	
880-1584-128 MSD	C-128	Soluble	Solid	DI Leach	

Analysis Batch: 2462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-155	C-155	Soluble	Solid	300.0	2382
880-1584-156	C-156	Soluble	Solid	300.0	2382
880-1584-157	C-157	Soluble	Solid	300.0	2382
880-1584-158	C-158	Soluble	Solid	300.0	2382
880-1584-159	C-159	Soluble	Solid	300.0	2382
880-1584-160	C-160	Soluble	Solid	300.0	2382
880-1584-161	C-161	Soluble	Solid	300.0	2382
880-1584-162	C-162	Soluble	Solid	300.0	2382
880-1584-163	C-163	Soluble	Solid	300.0	2382
880-1584-164	C-164	Soluble	Solid	300.0	2382
880-1584-165	C-165	Soluble	Solid	300.0	2382
880-1584-166	C-166	Soluble	Solid	300.0	2382
880-1584-167	C-167	Soluble	Solid	300.0	2382
880-1584-168	C-168	Soluble	Solid	300.0	2382
880-1584-169	C-169	Soluble	Solid	300.0	2382
880-1584-170	C-170	Soluble	Solid	300.0	2382
880-1584-171	C-171	Soluble	Solid	300.0	2382
880-1584-172	C-172	Soluble	Solid	300.0	2382
880-1584-173	C-173	Soluble	Solid	300.0	2382
880-1584-174	C-174	Soluble	Solid	300.0	2382
MB 880-2382/1-A	Method Blank	Soluble	Solid	300.0	2382
LCS 880-2382/2-A	Lab Control Sample	Soluble	Solid	300.0	2382
LCSD 880-2382/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2382
880-1584-155 MS	C-155	Soluble	Solid	300.0	2382
880-1584-155 MSD	C-155	Soluble	Solid	300.0	2382
880-1584-165 MS	C-165	Soluble	Solid	300.0	2382
880-1584-165 MSD	C-165	Soluble	Solid	300.0	2382

Analysis Batch: 2495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-175	C-175	Soluble	Solid	300.0	2383
880-1584-176	C-176	Soluble	Solid	300.0	2383
880-1584-177	C-177	Soluble	Solid	300.0	2383
880-1584-178	C-178	Soluble	Solid	300.0	2383
880-1584-179	C-179	Soluble	Solid	300.0	2383
880-1584-180	C-180	Soluble	Solid	300.0	2383
880-1584-181	C-181	Soluble	Solid	300.0	2383
880-1584-182	C-182	Soluble	Solid	300.0	2383
880-1584-183	C-183	Soluble	Solid	300.0	2383
880-1584-184	C-184	Soluble	Solid	300.0	2383
880-1584-185	C-185	Soluble	Solid	300.0	2383
880-1584-186	C-186	Soluble	Solid	300.0	2383

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

HPLC/IC (Continued)

Analysis Batch: 2495 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-187	C-187	Soluble	Solid	300.0	2383
880-1584-188	C-188	Soluble	Solid	300.0	2383
880-1584-189	C-189	Soluble	Solid	300.0	2383
880-1584-190	C-190	Soluble	Solid	300.0	2383
880-1584-191	C-191	Soluble	Solid	300.0	2383
880-1584-192	C-192	Soluble	Solid	300.0	2383
880-1584-193	C-193	Soluble	Solid	300.0	2383
880-1584-194	C-194	Soluble	Solid	300.0	2383
MB 880-2383/1-A	Method Blank	Soluble	Solid	300.0	2383
LCS 880-2383/2-A	Lab Control Sample	Soluble	Solid	300.0	2383
LCSD 880-2383/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2383
880-1584-175 MS	C-175	Soluble	Solid	300.0	2383
880-1584-175 MSD	C-175	Soluble	Solid	300.0	2383
880-1584-185 MS	C-185	Soluble	Solid	300.0	2383
880-1584-185 MSD	C-185	Soluble	Solid	300.0	2383

Analysis Batch: 2497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-195	C-195	Soluble	Solid	300.0	2386
880-1584-196	C-196	Soluble	Solid	300.0	2386
880-1584-197	C-197	Soluble	Solid	300.0	2386
880-1584-198	C-198	Soluble	Solid	300.0	2386
880-1584-199	C-199	Soluble	Solid	300.0	2386
880-1584-200	C-200	Soluble	Solid	300.0	2386
880-1584-201	C-201	Soluble	Solid	300.0	2386
880-1584-202	C-202	Soluble	Solid	300.0	2386
880-1584-203	C-203	Soluble	Solid	300.0	2386
880-1584-204	C-204	Soluble	Solid	300.0	2386
880-1584-205	C-205	Soluble	Solid	300.0	2386
880-1584-206	C-206	Soluble	Solid	300.0	2386
880-1584-207	C-207	Soluble	Solid	300.0	2386
880-1584-208	C-208	Soluble	Solid	300.0	2386
880-1584-209	C-209	Soluble	Solid	300.0	2386
MB 880-2386/1-A	Method Blank	Soluble	Solid	300.0	2386
LCS 880-2386/2-A	Lab Control Sample	Soluble	Solid	300.0	2386
LCSD 880-2386/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2386
880-1584-195 MS	C-195	Soluble	Solid	300.0	2386
880-1584-195 MSD	C-195	Soluble	Solid	300.0	2386
880-1584-205 MS	C-205	Soluble	Solid	300.0	2386
880-1584-205 MSD	C-205	Soluble	Solid	300.0	2386

Analysis Batch: 2502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-25	C-25	Soluble	Solid	300.0	2387
880-1584-26	C-26	Soluble	Solid	300.0	2387
880-1584-27	C-27	Soluble	Solid	300.0	2387
880-1584-28	C-28	Soluble	Solid	300.0	2387
MB 880-2387/1-A	Method Blank	Soluble	Solid	300.0	2387
LCS 880-2387/2-A	Lab Control Sample	Soluble	Solid	300.0	2387
LCSD 880-2387/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2387
880-1584-25 MS	C-25	Soluble	Solid	300.0	2387

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

HPLC/IC (Continued)

Analysis Batch: 2502 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-25 MSD	C-25	Soluble	Solid	300.0	2387

Analysis Batch: 2552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-29	C-29	Soluble	Solid	300.0	2389
880-1584-30	C-30	Soluble	Solid	300.0	2389
880-1584-31	C-31	Soluble	Solid	300.0	2389
880-1584-32	C-32	Soluble	Solid	300.0	2389
880-1584-33	C-33	Soluble	Solid	300.0	2389
880-1584-34	C-34	Soluble	Solid	300.0	2389
880-1584-37	C-37	Soluble	Solid	300.0	2389
880-1584-38	C-38	Soluble	Solid	300.0	2389
880-1584-39	C-39	Soluble	Solid	300.0	2389
880-1584-40	C-40	Soluble	Solid	300.0	2389
880-1584-41	C-41	Soluble	Solid	300.0	2389
880-1584-42	C-42	Soluble	Solid	300.0	2389
880-1584-43	C-43	Soluble	Solid	300.0	2389
880-1584-44	C-44	Soluble	Solid	300.0	2389
880-1584-45	C-45	Soluble	Solid	300.0	2389
880-1584-46	C-46	Soluble	Solid	300.0	2389
880-1584-47	C-47	Soluble	Solid	300.0	2389
880-1584-48	C-48	Soluble	Solid	300.0	2389
880-1584-49	C-49	Soluble	Solid	300.0	2389
880-1584-50	C-50	Soluble	Solid	300.0	2389
MB 880-2389/1-A	Method Blank	Soluble	Solid	300.0	2389
LCS 880-2389/2-A	Lab Control Sample	Soluble	Solid	300.0	2389
LCSD 880-2389/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2389
880-1584-29 MS	C-29	Soluble	Solid	300.0	2389
880-1584-29 MSD	C-29	Soluble	Solid	300.0	2389
880-1584-41 MS	C-41	Soluble	Solid	300.0	2389
880-1584-41 MSD	C-41	Soluble	Solid	300.0	2389

Analysis Batch: 2553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-51	C-51	Soluble	Solid	300.0	2390
880-1584-52	C-52	Soluble	Solid	300.0	2390
880-1584-53	C-53	Soluble	Solid	300.0	2390
880-1584-54	C-54	Soluble	Solid	300.0	2390
880-1584-55	C-55	Soluble	Solid	300.0	2390
880-1584-56	C-56	Soluble	Solid	300.0	2390
880-1584-57	C-57	Soluble	Solid	300.0	2390
880-1584-58	C-58	Soluble	Solid	300.0	2390
880-1584-59	C-59	Soluble	Solid	300.0	2390
880-1584-60	C-60	Soluble	Solid	300.0	2390
880-1584-61	C-61	Soluble	Solid	300.0	2390
880-1584-62	C-62	Soluble	Solid	300.0	2390
880-1584-63	C-63	Soluble	Solid	300.0	2390
880-1584-64	C-64	Soluble	Solid	300.0	2390
880-1584-65	C-65	Soluble	Solid	300.0	2390
880-1584-66	C-66	Soluble	Solid	300.0	2390
880-1584-67	C-67	Soluble	Solid	300.0	2390

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

HPLC/IC (Continued)

Analysis Batch: 2553 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-68	C-68	Soluble	Solid	300.0	2390
880-1584-69	C-69	Soluble	Solid	300.0	2390
880-1584-70	C-70	Soluble	Solid	300.0	2390
MB 880-2390/1-A	Method Blank	Soluble	Solid	300.0	2390
LCS 880-2390/2-A	Lab Control Sample	Soluble	Solid	300.0	2390
LCSD 880-2390/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2390
880-1584-51 MS	C-51	Soluble	Solid	300.0	2390
880-1584-51 MSD	C-51	Soluble	Solid	300.0	2390
880-1584-61 MS	C-61	Soluble	Solid	300.0	2390
880-1584-61 MSD	C-61	Soluble	Solid	300.0	2390

Analysis Batch: 2573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-98	C-98	Soluble	Solid	300.0	2393
880-1584-99	C-99	Soluble	Solid	300.0	2393
880-1584-100	C-100	Soluble	Solid	300.0	2393
880-1584-101	C-101	Soluble	Solid	300.0	2393
880-1584-102	C-102	Soluble	Solid	300.0	2393
880-1584-103	C-103	Soluble	Solid	300.0	2393
880-1584-104	C-104	Soluble	Solid	300.0	2393
880-1584-105	C-105	Soluble	Solid	300.0	2393
880-1584-106	C-106	Soluble	Solid	300.0	2393
880-1584-107	C-107	Soluble	Solid	300.0	2393
880-1584-108	C-108	Soluble	Solid	300.0	2393
880-1584-109	C-109	Soluble	Solid	300.0	2393
880-1584-110	C-110	Soluble	Solid	300.0	2393
880-1584-111	C-111	Soluble	Solid	300.0	2393
880-1584-112	C-112	Soluble	Solid	300.0	2393
880-1584-113	C-113	Soluble	Solid	300.0	2393
880-1584-114	C-114	Soluble	Solid	300.0	2393
880-1584-115	C-115	Soluble	Solid	300.0	2393
880-1584-116	C-116	Soluble	Solid	300.0	2393
880-1584-117	C-117	Soluble	Solid	300.0	2393
MB 880-2393/1-A	Method Blank	Soluble	Solid	300.0	2393
LCS 880-2393/2-A	Lab Control Sample	Soluble	Solid	300.0	2393
LCSD 880-2393/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2393
880-1584-98 MS	C-98	Soluble	Solid	300.0	2393
880-1584-98 MSD	C-98	Soluble	Solid	300.0	2393
880-1584-108 MS	C-108	Soluble	Solid	300.0	2393
880-1584-108 MSD	C-108	Soluble	Solid	300.0	2393

Analysis Batch: 2574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-71	C-71	Soluble	Solid	300.0	2391
880-1584-72	C-72	Soluble	Solid	300.0	2391
880-1584-73	C-73	Soluble	Solid	300.0	2391
880-1584-74	C-74	Soluble	Solid	300.0	2391
880-1584-75	C-75	Soluble	Solid	300.0	2391
880-1584-76	C-76	Soluble	Solid	300.0	2391
880-1584-77	C-77	Soluble	Solid	300.0	2391
880-1584-78	C-78	Soluble	Solid	300.0	2391

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

HPLC/IC (Continued)

Analysis Batch: 2574 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-79	C-79	Soluble	Solid	300.0	2391
880-1584-80	C-80	Soluble	Solid	300.0	2391
880-1584-81	C-81	Soluble	Solid	300.0	2391
880-1584-82	C-82	Soluble	Solid	300.0	2391
880-1584-83	C-83	Soluble	Solid	300.0	2391
880-1584-84	C-84	Soluble	Solid	300.0	2391
880-1584-85	C-85	Soluble	Solid	300.0	2391
880-1584-86	C-86	Soluble	Solid	300.0	2391
880-1584-91	C-91	Soluble	Solid	300.0	2391
880-1584-92	C-92	Soluble	Solid	300.0	2391
880-1584-93	C-93	Soluble	Solid	300.0	2391
880-1584-94	C-94	Soluble	Solid	300.0	2391
MB 880-2391/1-A	Method Blank	Soluble	Solid	300.0	2391
LCS 880-2391/2-A	Lab Control Sample	Soluble	Solid	300.0	2391
LCSD 880-2391/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2391
880-1584-71 MS	C-71	Soluble	Solid	300.0	2391
880-1584-71 MSD	C-71	Soluble	Solid	300.0	2391
880-1584-81 MS	C-81	Soluble	Solid	300.0	2391
880-1584-81 MSD	C-81	Soluble	Solid	300.0	2391

Analysis Batch: 2575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1584-118	C-118	Soluble	Solid	300.0	2395
880-1584-119	C-119	Soluble	Solid	300.0	2395
880-1584-120	C-120	Soluble	Solid	300.0	2395
880-1584-121	C-121	Soluble	Solid	300.0	2395
880-1584-122	C-122	Soluble	Solid	300.0	2395
880-1584-123	C-123	Soluble	Solid	300.0	2395
880-1584-124	C-124	Soluble	Solid	300.0	2395
880-1584-125	C-125	Soluble	Solid	300.0	2395
880-1584-126	C-126	Soluble	Solid	300.0	2395
880-1584-127	C-127	Soluble	Solid	300.0	2395
880-1584-128	C-128	Soluble	Solid	300.0	2395
880-1584-129	C-129	Soluble	Solid	300.0	2395
880-1584-130	C-130	Soluble	Solid	300.0	2395
880-1584-131	C-131	Soluble	Solid	300.0	2395
880-1584-132	C-132	Soluble	Solid	300.0	2395
880-1584-133	C-133	Soluble	Solid	300.0	2395
880-1584-134	C-134	Soluble	Solid	300.0	2395
880-1584-135	C-135	Soluble	Solid	300.0	2395
880-1584-136	C-136	Soluble	Solid	300.0	2395
880-1584-137	C-137	Soluble	Solid	300.0	2395
MB 880-2395/1-A	Method Blank	Soluble	Solid	300.0	2395
LCS 880-2395/2-A	Lab Control Sample	Soluble	Solid	300.0	2395
LCSD 880-2395/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2395
880-1584-118 MS	C-118	Soluble	Solid	300.0	2395
880-1584-118 MSD	C-118	Soluble	Solid	300.0	2395
880-1584-128 MS	C-128	Soluble	Solid	300.0	2395
880-1584-128 MSD	C-128	Soluble	Solid	300.0	2395

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-25 Lab Sample ID: 880-1584-25

Date Collected: 04/15/21 13:22 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/26/21 23:24	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 10:51	AJ	XM
Soluble	Leach	DI Leach			2387	04/27/21 13:16	SC	XM
Soluble	Analysis	300.0		1	2502	04/29/21 19:03	WP	XM

Client Sample ID: C-26 Lab Sample ID: 880-1584-26

Date Collected: 04/15/21 13:23 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/26/21 23:44	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 11:55	AJ	XM
Soluble	Leach	DI Leach			2387	04/27/21 13:16	SC	XM
Soluble	Analysis	300.0		1	2502	04/29/21 19:19	WP	XM

Client Sample ID: C-27 Lab Sample ID: 880-1584-27

Date Collected: 04/15/21 13:24 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 00:05	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 12:16	AJ	XM
Soluble	Leach	DI Leach			2387	04/27/21 13:16	SC	XM
Soluble	Analysis	300.0		1	2502	04/29/21 19:24	WP	XM

Client Sample ID: C-28 Lab Sample ID: 880-1584-28

Date Collected: 04/15/21 13:25 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 00:25	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 12:37	AJ	XM
Soluble	Leach	DI Leach			2387	04/27/21 13:16	SC	XM
Soluble	Analysis	300.0		1	2502	04/29/21 19:30	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-29 Lab Sample ID: 880-1584-29

Date Collected: 04/15/21 13:26 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 00:45	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 12:59	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 15:16	CH	XM

Client Sample ID: C-30 Lab Sample ID: 880-1584-30

Date Collected: 04/15/21 13:27 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 01:06	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 13:20	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 15:32	CH	XM

Client Sample ID: C-31 Lab Sample ID: 880-1584-31

Date Collected: 04/15/21 13:28 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 01:26	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 13:41	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 15:38	CH	XM

Client Sample ID: C-32 Lab Sample ID: 880-1584-32

Date Collected: 04/15/21 13:29 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 03:49	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 14:03	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 15:44	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-33 Lab Sample ID: 880-1584-33

Date Collected: 04/15/21 13:30 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 04:09	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 14:24	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 15:49	CH	XM

Client Sample ID: C-34 Lab Sample ID: 880-1584-34

Date Collected: 04/15/21 13:31 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 04:30	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 14:45	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 16:06	CH	XM

Client Sample ID: C-37 Lab Sample ID: 880-1584-37

Date Collected: 04/19/21 09:02 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 04:50	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 15:28	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 16:12	CH	XM

Client Sample ID: C-38 Lab Sample ID: 880-1584-38

Date Collected: 04/19/21 09:03 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 05:10	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 15:50	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 16:17	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-39 Lab Sample ID: 880-1584-39

Date Collected: 04/19/21 09:04 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 05:31	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 16:11	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 16:23	CH	XM

Client Sample ID: C-40 Lab Sample ID: 880-1584-40

Date Collected: 04/19/21 09:05 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 05:51	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 16:33	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 16:28	CH	XM

Client Sample ID: C-41 Lab Sample ID: 880-1584-41

Date Collected: 04/19/21 09:06 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 06:12	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 16:54	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 16:34	CH	XM

Client Sample ID: C-42 Lab Sample ID: 880-1584-42

Date Collected: 04/19/21 09:07 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 06:32	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 17:15	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 16:51	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-43 Lab Sample ID: 880-1584-43

Date Collected: 04/19/21 09:08 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2342	04/26/21 16:08	KL	XM
Total/NA	Analysis	8021B		1	2286	04/27/21 06:53	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 17:36	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 16:56	CH	XM

Client Sample ID: C-44 Lab Sample ID: 880-1584-44

Date Collected: 04/19/21 09:09 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 13:27	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 17:57	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 17:13	CH	XM

Client Sample ID: C-45 Lab Sample ID: 880-1584-45

Date Collected: 04/19/21 09:10 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 13:47	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 18:18	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 17:19	CH	XM

Client Sample ID: C-46 Lab Sample ID: 880-1584-46

Date Collected: 04/19/21 09:11 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 14:08	KL	XM
Total/NA	Prep	8015NM Prep			2329	04/26/21 14:12	DM	XM
Total/NA	Analysis	8015B NM		1	2363	04/27/21 18:40	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 17:24	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-47 Lab Sample ID: 880-1584-47

Date Collected: 04/19/21 09:12 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 14:28	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 10:51	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 17:30	CH	XM

Client Sample ID: C-48 Lab Sample ID: 880-1584-48

Date Collected: 04/19/21 09:13 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 14:48	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 11:55	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 17:35	CH	XM

Client Sample ID: C-49 Lab Sample ID: 880-1584-49

Date Collected: 04/19/21 09:14 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 15:09	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 12:16	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 17:41	CH	XM

Client Sample ID: C-50 Lab Sample ID: 880-1584-50

Date Collected: 04/19/21 09:15 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 15:29	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 12:37	AJ	XM
Soluble	Leach	DI Leach			2389	04/27/21 13:27	SC	XM
Soluble	Analysis	300.0		1	2552	04/30/21 17:47	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-51 Lab Sample ID: 880-1584-51

Date Collected: 04/19/21 09:16 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 15:50	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 12:59	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 18:31	CH	XM

Client Sample ID: C-52 Lab Sample ID: 880-1584-52

Date Collected: 04/19/21 09:17 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 16:10	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 13:20	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 18:48	CH	XM

Client Sample ID: C-53 Lab Sample ID: 880-1584-53

Date Collected: 04/19/21 09:18 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 16:30	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 13:41	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 18:54	CH	XM

Client Sample ID: C-54 Lab Sample ID: 880-1584-54

Date Collected: 04/19/21 09:19 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 17:52	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 14:03	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 18:59	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-55 Lab Sample ID: 880-1584-55

Date Collected: 04/19/21 09:20 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 18:13	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 14:24	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 19:05	CH	XM

Client Sample ID: C-56 Lab Sample ID: 880-1584-56

Date Collected: 04/19/21 09:21 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 18:33	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 14:45	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 19:22	CH	XM

Client Sample ID: C-57 Lab Sample ID: 880-1584-57

Date Collected: 04/19/21 09:22 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 18:54	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 15:28	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 19:27	CH	XM

Client Sample ID: C-58 Lab Sample ID: 880-1584-58

Date Collected: 04/19/21 09:23 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 19:14	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 15:50	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 19:33	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-59 Lab Sample ID: 880-1584-59

Date Collected: 04/19/21 09:24 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/27/21 19:34	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 16:11	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 19:38	CH	XM

Client Sample ID: C-60 Lab Sample ID: 880-1584-60

Date Collected: 04/19/21 09:25 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/28/21 09:00	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:47	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 16:33	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 19:44	CH	XM

Client Sample ID: C-61 Lab Sample ID: 880-1584-61

Date Collected: 04/19/21 09:26 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/28/21 09:21	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:48	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 16:54	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 19:50	CH	XM

Client Sample ID: C-62 Lab Sample ID: 880-1584-62

Date Collected: 04/19/21 09:27 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/28/21 09:41	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:48	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 17:15	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 20:06	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-63 Lab Sample ID: 880-1584-63

Date Collected: 04/19/21 09:28 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2333	04/26/21 15:20	KL	XM
Total/NA	Analysis	8021B		1	2375	04/28/21 10:02	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:48	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 17:36	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 20:12	CH	XM

Client Sample ID: C-64 Lab Sample ID: 880-1584-64

Date Collected: 04/19/21 09:29 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 01:06	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:48	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 17:57	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 20:29	CH	XM

Client Sample ID: C-65 Lab Sample ID: 880-1584-65

Date Collected: 04/19/21 09:30 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 01:27	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:48	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 18:18	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 20:34	CH	XM

Client Sample ID: C-66 Lab Sample ID: 880-1584-66

Date Collected: 04/19/21 09:31 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 01:48	KL	XM
Total/NA	Prep	8015NM Prep			2330	04/26/21 14:48	DM	XM
Total/NA	Analysis	8015B NM		1	2365	04/27/21 18:40	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		5	2553	04/30/21 20:40	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-67 Lab Sample ID: 880-1584-67

Date Collected: 04/19/21 09:32 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 02:08	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 11:39	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 20:45	CH	XM

Client Sample ID: C-68 Lab Sample ID: 880-1584-68

Date Collected: 04/19/21 09:33 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 02:29	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 12:43	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 20:51	CH	XM

Client Sample ID: C-69 Lab Sample ID: 880-1584-69

Date Collected: 04/19/21 09:34 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 02:49	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 13:04	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		1	2553	04/30/21 20:56	CH	XM

Client Sample ID: C-70 Lab Sample ID: 880-1584-70

Date Collected: 04/19/21 09:35 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 03:10	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 14:27	AJ	XM
Soluble	Leach	DI Leach			2390	04/27/21 13:30	SC	XM
Soluble	Analysis	300.0		5	2553	04/30/21 21:02	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-71 Lab Sample ID: 880-1584-71

Date Collected: 04/19/21 09:36 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 03:30	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 14:48	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		5	2574	04/30/21 20:42	CH	XM

Client Sample ID: C-72 Lab Sample ID: 880-1584-72

Date Collected: 04/19/21 09:37 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 03:51	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 15:13	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		5	2574	04/30/21 20:58	CH	XM

Client Sample ID: C-73 Lab Sample ID: 880-1584-73

Date Collected: 04/19/21 09:38 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 04:11	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 15:34	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 21:03	CH	XM

Client Sample ID: C-74 Lab Sample ID: 880-1584-74

Date Collected: 04/19/21 09:39 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 05:34	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 15:55	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 21:08	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-75 Lab Sample ID: 880-1584-75

Date Collected: 04/19/21 09:40 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 05:55	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 16:16	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 21:14	CH	XM

Client Sample ID: C-76 Lab Sample ID: 880-1584-76

Date Collected: 04/19/21 09:41 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 06:15	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 16:37	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 21:30	CH	XM

Client Sample ID: C-77 Lab Sample ID: 880-1584-77

Date Collected: 04/19/21 09:42 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 06:36	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 17:19	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		5	2574	04/30/21 21:35	CH	XM

Client Sample ID: C-78 Lab Sample ID: 880-1584-78

Date Collected: 04/19/21 09:43 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 06:56	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 17:40	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		5	2574	04/30/21 21:41	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-79 Lab Sample ID: 880-1584-79

Date Collected: 04/19/21 09:44 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 07:17	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 18:01	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 21:46	CH	XM

Client Sample ID: C-80 Lab Sample ID: 880-1584-80

Date Collected: 04/19/21 09:45 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 07:38	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 18:22	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 21:51	CH	XM

Client Sample ID: C-81 Lab Sample ID: 880-1584-81

Date Collected: 04/20/21 12:00 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 07:58	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 18:43	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 21:57	CH	XM

Client Sample ID: C-82 Lab Sample ID: 880-1584-82

Date Collected: 04/20/21 12:01 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 08:19	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 19:04	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 22:13	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-83 Lab Sample ID: 880-1584-83

Date Collected: 04/20/21 12:02 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2334	04/26/21 15:24	KL	XM
Total/NA	Analysis	8021B		1	2432	04/29/21 08:39	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 19:25	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 22:18	CH	XM

Client Sample ID: C-84 Lab Sample ID: 880-1584-84

Date Collected: 04/20/21 12:03 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 15:12	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 19:46	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		5	2574	04/30/21 22:34	CH	XM

Client Sample ID: C-85 Lab Sample ID: 880-1584-85

Date Collected: 04/20/21 12:04 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 15:33	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 20:07	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 22:40	CH	XM

Client Sample ID: C-86 Lab Sample ID: 880-1584-86

Date Collected: 04/20/21 12:05 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 15:53	KL	XM
Total/NA	Prep	8015NM Prep			2331	04/26/21 15:04	DM	XM
Total/NA	Analysis	8015B NM		1	2423	04/28/21 20:28	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 22:45	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-91 Lab Sample ID: 880-1584-91

Date Collected: 04/20/21 12:10 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 16:14	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 10:53	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 22:51	CH	XM

Client Sample ID: C-92 Lab Sample ID: 880-1584-92

Date Collected: 04/20/21 12:11 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 16:35	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 11:56	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 22:56	CH	XM

Client Sample ID: C-93 Lab Sample ID: 880-1584-93

Date Collected: 04/20/21 12:12 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 16:55	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 12:17	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 23:01	CH	XM

Client Sample ID: C-94 Lab Sample ID: 880-1584-94

Date Collected: 04/20/21 12:13 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 17:16	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 12:38	AJ	XM
Soluble	Leach	DI Leach			2391	04/27/21 13:34	SC	XM
Soluble	Analysis	300.0		1	2574	04/30/21 23:07	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-98 Lab Sample ID: 880-1584-98

Date Collected: 04/20/21 12:17 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 17:36	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 12:59	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 17:33	CH	XM

Client Sample ID: C-99 Lab Sample ID: 880-1584-99

Date Collected: 04/20/21 12:18 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 17:57	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 13:20	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 17:49	CH	XM

Client Sample ID: C-100 Lab Sample ID: 880-1584-100

Date Collected: 04/20/21 12:19 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 18:18	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 13:41	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 17:55	CH	XM

Client Sample ID: C-101 Lab Sample ID: 880-1584-101

Date Collected: 04/20/21 12:20 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 19:40	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 14:02	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 18:00	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-102 Lab Sample ID: 880-1584-102

Date Collected: 04/20/21 12:21 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 20:01	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 14:23	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 18:06	CH	XM

Client Sample ID: C-103 Lab Sample ID: 880-1584-103

Date Collected: 04/20/21 12:22 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 20:21	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 14:44	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 18:22	CH	XM

Client Sample ID: C-104 Lab Sample ID: 880-1584-104

Date Collected: 04/20/21 12:23 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 20:42	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 15:26	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		5	2573	04/30/21 18:27	CH	XM

Client Sample ID: C-105 Lab Sample ID: 880-1584-105

Date Collected: 04/20/21 12:24 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 21:03	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 15:46	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		5	2573	04/30/21 18:32	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-106 Lab Sample ID: 880-1584-106

Date Collected: 04/20/21 12:25 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 21:23	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 16:08	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 18:38	CH	XM

Client Sample ID: C-107 Lab Sample ID: 880-1584-107

Date Collected: 04/20/21 12:26 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 21:44	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 16:29	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 18:43	CH	XM

Client Sample ID: C-108 Lab Sample ID: 880-1584-108

Date Collected: 04/20/21 12:27 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 22:05	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 16:50	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 18:49	CH	XM

Client Sample ID: C-109 Lab Sample ID: 880-1584-109

Date Collected: 04/20/21 12:28 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 22:25	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 17:11	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 19:05	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-110 Lab Sample ID: 880-1584-110

Date Collected: 04/20/21 12:29 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2335	04/26/21 15:30	KL	XM
Total/NA	Analysis	8021B		1	2379	04/27/21 22:46	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 17:32	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 19:10	CH	XM

Client Sample ID: C-111 Lab Sample ID: 880-1584-111

Date Collected: 04/20/21 12:30 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 02:12	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 17:53	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 19:26	CH	XM

Client Sample ID: C-112 Lab Sample ID: 880-1584-112

Date Collected: 04/20/21 12:31 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 02:33	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 18:15	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 19:32	CH	XM

Client Sample ID: C-113 Lab Sample ID: 880-1584-113

Date Collected: 04/20/21 12:32 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 02:54	KL	XM
Total/NA	Prep	8015NM Prep			2332	04/26/21 15:19	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 18:36	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 19:37	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-114 Lab Sample ID: 880-1584-114

Date Collected: 04/20/21 12:33 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 03:15	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 10:53	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 19:42	CH	XM

Client Sample ID: C-115 Lab Sample ID: 880-1584-115

Date Collected: 04/20/21 12:34 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 03:35	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 11:56	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 19:48	CH	XM

Client Sample ID: C-116 Lab Sample ID: 880-1584-116

Date Collected: 04/20/21 12:35 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 03:56	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 12:17	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 19:53	CH	XM

Client Sample ID: C-117 Lab Sample ID: 880-1584-117

Date Collected: 04/20/21 12:36 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 04:17	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 12:38	AJ	XM
Soluble	Leach	DI Leach			2393	04/27/21 13:38	SC	XM
Soluble	Analysis	300.0		1	2573	04/30/21 19:58	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-118 Lab Sample ID: 880-1584-118

Date Collected: 04/20/21 12:37 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 04:37	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 12:59	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	04/30/21 23:50	CH	XM

Client Sample ID: C-119 Lab Sample ID: 880-1584-119

Date Collected: 04/20/21 12:38 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 04:58	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 13:20	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 00:06	CH	XM

Client Sample ID: C-120 Lab Sample ID: 880-1584-120

Date Collected: 04/20/21 12:39 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 05:19	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 13:41	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 00:11	CH	XM

Client Sample ID: C-121 Lab Sample ID: 880-1584-121

Date Collected: 04/20/21 12:40 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 06:42	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 14:02	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 00:17	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-122 Lab Sample ID: 880-1584-122

Date Collected: 04/20/21 12:41 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 07:03	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 14:23	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 00:22	CH	XM

Client Sample ID: C-123 Lab Sample ID: 880-1584-123

Date Collected: 04/20/21 12:42 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 07:24	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 14:44	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 00:38	CH	XM

Client Sample ID: C-124 Lab Sample ID: 880-1584-124

Date Collected: 04/20/21 12:43 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 07:45	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 15:26	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 00:43	CH	XM

Client Sample ID: C-125 Lab Sample ID: 880-1584-125

Date Collected: 04/20/21 12:44 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 08:05	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 15:46	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 00:49	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-126 Lab Sample ID: 880-1584-126

Date Collected: 04/20/21 12:45 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 08:05	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 16:08	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 00:54	CH	XM

Client Sample ID: C-127 Lab Sample ID: 880-1584-127

Date Collected: 04/20/21 12:46 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 08:47	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 16:29	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 00:59	CH	XM

Client Sample ID: C-128 Lab Sample ID: 880-1584-128

Date Collected: 04/20/21 12:47 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 09:08	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 16:50	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 01:05	CH	XM

Client Sample ID: C-129 Lab Sample ID: 880-1584-129

Date Collected: 04/20/21 12:48 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 09:28	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 17:11	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 01:21	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-130 Lab Sample ID: 880-1584-130

Date Collected: 04/20/21 12:49 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2336	04/26/21 15:34	KL	XM
Total/NA	Analysis	8021B		1	2379	04/28/21 09:49	KL	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 17:32	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 01:26	CH	XM

Client Sample ID: C-131 Lab Sample ID: 880-1584-131

Date Collected: 04/20/21 12:50 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2378	04/27/21 10:20	MR	XM
Total/NA	Analysis	8021B		1	2381	04/27/21 18:14	MR	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/30/21 06:11	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		5	2575	05/01/21 01:43	CH	XM

Client Sample ID: C-132 Lab Sample ID: 880-1584-132

Date Collected: 04/20/21 12:51 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2378	04/27/21 10:20	MR	XM
Total/NA	Analysis	8021B		1	2381	04/27/21 18:43	MR	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 18:15	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 01:48	CH	XM

Client Sample ID: C-133 Lab Sample ID: 880-1584-133

Date Collected: 04/20/21 12:52 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2378	04/27/21 10:20	MR	XM
Total/NA	Analysis	8021B		1	2381	04/27/21 19:03	MR	XM
Total/NA	Prep	8015NM Prep			2367	04/27/21 08:49	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 18:36	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 01:53	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-134 Lab Sample ID: 880-1584-134

Date Collected: 04/20/21 12:53 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2378	04/27/21 10:20	MR	XM
Total/NA	Analysis	8021B		1	2381	04/27/21 19:24	MR	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 14:16	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 01:59	CH	XM

Client Sample ID: C-135 Lab Sample ID: 880-1584-135

Date Collected: 04/20/21 12:54 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 17:27	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 15:20	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 02:04	CH	XM

Client Sample ID: C-136 Lab Sample ID: 880-1584-136

Date Collected: 04/20/21 12:55 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 17:52	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 15:42	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 02:09	CH	XM

Client Sample ID: C-137 Lab Sample ID: 880-1584-137

Date Collected: 04/20/21 12:56 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 18:18	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 16:03	AJ	XM
Soluble	Leach	DI Leach			2395	04/27/21 13:41	SC	XM
Soluble	Analysis	300.0		1	2575	05/01/21 02:15	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-138 Lab Sample ID: 880-1584-138

Date Collected: 04/20/21 12:57 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 18:43	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 16:24	AJ	XM
Soluble	Leach	DI Leach			2347	04/26/21 17:50	SC	XM
Soluble	Analysis	300.0		1	2362	04/27/21 00:41	SC	XM

Client Sample ID: C-139 Lab Sample ID: 880-1584-139

Date Collected: 04/20/21 12:58 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 19:08	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 16:46	AJ	XM
Soluble	Leach	DI Leach			2347	04/26/21 17:50	SC	XM
Soluble	Analysis	300.0		1	2362	04/27/21 00:56	SC	XM

Client Sample ID: C-140 Lab Sample ID: 880-1584-140

Date Collected: 04/20/21 12:59 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 19:33	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 17:07	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 21:18	WP	XM

Client Sample ID: C-141 Lab Sample ID: 880-1584-141

Date Collected: 04/20/21 13:00 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 19:59	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 17:29	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 21:33	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-142 Lab Sample ID: 880-1584-142

Date Collected: 04/20/21 13:01 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 20:24	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 17:51	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 21:38	WP	XM

Client Sample ID: C-143 Lab Sample ID: 880-1584-143

Date Collected: 04/20/21 13:02 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 20:50	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 18:13	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 21:43	WP	XM

Client Sample ID: C-144 Lab Sample ID: 880-1584-144

Date Collected: 04/20/21 13:03 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 21:15	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 18:56	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 21:48	WP	XM

Client Sample ID: C-145 Lab Sample ID: 880-1584-145

Date Collected: 04/20/21 13:04 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 22:58	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 19:17	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 22:03	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-146 Lab Sample ID: 880-1584-146

Date Collected: 04/20/21 13:05 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 23:23	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 19:39	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 22:08	WP	XM

Client Sample ID: C-147 Lab Sample ID: 880-1584-147

Date Collected: 04/20/21 13:06 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 01:40	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 20:00	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 22:14	WP	XM

Client Sample ID: C-148 Lab Sample ID: 880-1584-148

Date Collected: 04/20/21 13:07 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 02:00	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 20:22	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 22:19	WP	XM

Client Sample ID: C-149 Lab Sample ID: 880-1584-149

Date Collected: 04/20/21 13:08 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 02:21	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 20:43	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 22:24	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-150 Lab Sample ID: 880-1584-150

Date Collected: 04/20/21 13:09 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 02:41	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 21:04	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 22:29	WP	XM

Client Sample ID: C-151 Lab Sample ID: 880-1584-151

Date Collected: 04/20/21 13:10 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 03:02	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 21:26	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 22:44	WP	XM

Client Sample ID: C-152 Lab Sample ID: 880-1584-152

Date Collected: 04/20/21 13:11 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 03:22	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 21:48	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 22:49	WP	XM

Client Sample ID: C-153 Lab Sample ID: 880-1584-153

Date Collected: 04/20/21 13:12 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 03:42	KL	XM
Total/NA	Prep	8015NM Prep			2368	04/27/21 09:08	DM	XM
Total/NA	Analysis	8015B NM		1	2484	04/29/21 22:10	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 23:04	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-154 Lab Sample ID: 880-1584-154

Date Collected: 04/20/21 13:13 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 04:03	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 11:51	AJ	XM
Soluble	Leach	DI Leach			2344	04/26/21 16:49	SC	XM
Soluble	Analysis	300.0		1	2361	04/26/21 23:09	WP	XM

Client Sample ID: C-155 Lab Sample ID: 880-1584-155

Date Collected: 04/20/21 13:14 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 04:23	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 12:53	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 02:17	WP	XM

Client Sample ID: C-156 Lab Sample ID: 880-1584-156

Date Collected: 04/20/21 13:15 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 04:44	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 13:14	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 02:33	WP	XM

Client Sample ID: C-157 Lab Sample ID: 880-1584-157

Date Collected: 04/20/21 13:16 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 06:05	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 13:35	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		5	2462	04/29/21 02:38	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-158 Lab Sample ID: 880-1584-158

Date Collected: 04/20/21 13:17 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 06:26	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 15:24	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 02:44	WP	XM

Client Sample ID: C-159 Lab Sample ID: 880-1584-159

Date Collected: 04/20/21 13:18 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 06:46	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 15:45	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 02:49	WP	XM

Client Sample ID: C-160 Lab Sample ID: 880-1584-160

Date Collected: 04/20/21 13:19 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 07:07	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 16:06	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 03:05	WP	XM

Client Sample ID: C-161 Lab Sample ID: 880-1584-161

Date Collected: 04/20/21 13:20 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 07:27	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 16:27	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		5	2462	04/29/21 03:10	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-162 Lab Sample ID: 880-1584-162

Date Collected: 04/20/21 13:21 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2385	04/27/21 13:10	KL	XM
Total/NA	Analysis	8021B		1	2445	04/29/21 07:47	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 16:48	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		5	2462	04/29/21 03:16	WP	XM

Client Sample ID: C-163 Lab Sample ID: 880-1584-163

Date Collected: 04/20/21 13:22 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 13:31	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 17:09	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		5	2462	04/29/21 03:21	WP	XM

Client Sample ID: C-164 Lab Sample ID: 880-1584-164

Date Collected: 04/20/21 13:23 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 13:52	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 17:52	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		5	2462	04/29/21 03:27	WP	XM

Client Sample ID: C-165 Lab Sample ID: 880-1584-165

Date Collected: 04/20/21 13:24 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 14:12	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 18:13	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		5	2462	04/29/21 03:32	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-166 Lab Sample ID: 880-1584-166

Date Collected: 04/20/21 13:25 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 14:33	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 18:35	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 03:48	WP	XM

Client Sample ID: C-167 Lab Sample ID: 880-1584-167

Date Collected: 04/20/21 13:26 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 14:54	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 18:56	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 03:53	WP	XM

Client Sample ID: C-168 Lab Sample ID: 880-1584-168

Date Collected: 04/20/21 13:27 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 15:14	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 19:18	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 04:10	WP	XM

Client Sample ID: C-169 Lab Sample ID: 880-1584-169

Date Collected: 04/20/21 13:28 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 15:35	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 19:40	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 04:15	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-170 Lab Sample ID: 880-1584-170

Date Collected: 04/20/21 13:29 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2456	04/28/21 14:55	KL	XM
Total/NA	Analysis	8021B		1	2480	04/29/21 17:34	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 20:01	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 04:20	WP	XM

Client Sample ID: C-171 Lab Sample ID: 880-1584-171

Date Collected: 04/20/21 13:30 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2456	04/28/21 14:55	KL	XM
Total/NA	Analysis	8021B		1	2480	04/29/21 17:54	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 20:22	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 04:26	WP	XM

Client Sample ID: C-172 Lab Sample ID: 880-1584-172

Date Collected: 04/20/21 13:31 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2452	04/29/21 11:00	KL	XM
Total/NA	Analysis	8021B		1	2480	04/30/21 02:23	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 20:44	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 04:31	WP	XM

Client Sample ID: C-173 Lab Sample ID: 880-1584-173

Date Collected: 04/20/21 13:32 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 18:17	KL	XM
Total/NA	Prep	8015NM Prep			2373	04/27/21 09:26	DM	XM
Total/NA	Analysis	8015B NM		1	2520	04/30/21 21:05	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 04:36	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-174 Lab Sample ID: 880-1584-174

Date Collected: 04/20/21 13:33 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 18:37	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 11:51	AJ	XM
Soluble	Leach	DI Leach			2382	04/27/21 12:55	SC	XM
Soluble	Analysis	300.0		1	2462	04/29/21 04:42	WP	XM

Client Sample ID: C-175 Lab Sample ID: 880-1584-175

Date Collected: 04/20/21 13:34 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 18:58	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 12:53	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 12:46	CH	XM

Client Sample ID: C-176 Lab Sample ID: 880-1584-176

Date Collected: 04/20/21 13:35 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 19:19	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 13:14	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 13:02	CH	XM

Client Sample ID: C-177 Lab Sample ID: 880-1584-177

Date Collected: 04/20/21 13:36 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 19:39	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 13:35	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 13:08	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-178 Lab Sample ID: 880-1584-178

Date Collected: 04/20/21 13:37 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 20:00	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 15:24	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 13:13	CH	XM

Client Sample ID: C-179 Lab Sample ID: 880-1584-179

Date Collected: 04/20/21 13:38 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 20:21	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 15:45	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 13:18	CH	XM

Client Sample ID: C-180 Lab Sample ID: 880-1584-180

Date Collected: 04/20/21 13:39 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 20:41	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 16:06	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 13:35	CH	XM

Client Sample ID: C-181 Lab Sample ID: 880-1584-181

Date Collected: 04/20/21 13:40 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 21:02	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 16:27	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 13:40	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-182 Lab Sample ID: 880-1584-182

Date Collected: 04/20/21 13:41 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2392	04/27/21 13:36	KL	XM
Total/NA	Analysis	8021B		1	2475	04/29/21 21:23	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 16:48	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		5	2495	04/29/21 13:45	CH	XM

Client Sample ID: C-183 Lab Sample ID: 880-1584-183

Date Collected: 04/20/21 13:42 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 00:49	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 17:09	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 13:51	CH	XM

Client Sample ID: C-184 Lab Sample ID: 880-1584-184

Date Collected: 04/20/21 13:43 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 01:09	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 17:52	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 13:56	CH	XM

Client Sample ID: C-185 Lab Sample ID: 880-1584-185

Date Collected: 04/20/21 13:44 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 01:30	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 18:13	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 14:01	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-186 Lab Sample ID: 880-1584-186

Date Collected: 04/20/21 13:45 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 01:51	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 18:35	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 14:17	CH	XM

Client Sample ID: C-187 Lab Sample ID: 880-1584-187

Date Collected: 04/20/21 13:46 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 02:12	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 18:56	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 14:23	CH	XM

Client Sample ID: C-188 Lab Sample ID: 880-1584-188

Date Collected: 04/20/21 13:47 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 02:32	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 19:18	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 14:39	CH	XM

Client Sample ID: C-189 Lab Sample ID: 880-1584-189

Date Collected: 04/20/21 13:48 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 02:53	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 19:40	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 14:44	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-190 Lab Sample ID: 880-1584-190

Date Collected: 04/20/21 13:49 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 03:14	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 20:01	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 14:50	CH	XM

Client Sample ID: C-191 Lab Sample ID: 880-1584-191

Date Collected: 04/20/21 13:50 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 03:34	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 20:22	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 14:55	CH	XM

Client Sample ID: C-192 Lab Sample ID: 880-1584-192

Date Collected: 04/20/21 13:51 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 03:55	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 20:44	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 15:00	CH	XM

Client Sample ID: C-193 Lab Sample ID: 880-1584-193

Date Collected: 04/20/21 13:52 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 05:18	KL	XM
Total/NA	Prep	8015NM Prep			2376	04/27/21 10:01	DM	XM
Total/NA	Analysis	8015B NM		1	2527	04/30/21 21:05	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 15:06	CH	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-194 Lab Sample ID: 880-1584-194

Date Collected: 04/20/21 13:53 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 05:39	KL	XM
Total/NA	Prep	8015NM Prep			2377	04/27/21 10:20	DM	XM
Total/NA	Analysis	8015B NM		1	2425	04/28/21 11:39	AJ	XM
Soluble	Leach	DI Leach			2383	04/27/21 12:59	SC	XM
Soluble	Analysis	300.0		1	2495	04/29/21 15:11	CH	XM

Client Sample ID: C-195 Lab Sample ID: 880-1584-195

Date Collected: 04/20/21 13:54 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 06:00	KL	XM
Total/NA	Prep	8015NM Prep			2377	04/27/21 10:20	DM	XM
Total/NA	Analysis	8015B NM		1	2425	04/28/21 12:43	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 15:54	WP	XM

Client Sample ID: C-196 Lab Sample ID: 880-1584-196

Date Collected: 04/20/21 13:55 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 06:21	KL	XM
Total/NA	Prep	8015NM Prep			2377	04/27/21 10:20	DM	XM
Total/NA	Analysis	8015B NM		1	2425	04/28/21 13:04	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 16:10	WP	XM

Client Sample ID: C-197 Lab Sample ID: 880-1584-197

Date Collected: 04/20/21 13:56 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 06:41	KL	XM
Total/NA	Prep	8015NM Prep			2377	04/27/21 10:20	DM	XM
Total/NA	Analysis	8015B NM		1	2425	04/28/21 14:27	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 16:16	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-198 Lab Sample ID: 880-1584-198

Date Collected: 04/20/21 13:57 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 07:02	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/29/21 23:55	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 16:21	WP	XM

Client Sample ID: C-199 Lab Sample ID: 880-1584-199

Date Collected: 04/20/21 13:58 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 07:23	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/30/21 00:16	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 16:27	WP	XM

Client Sample ID: C-200 Lab Sample ID: 880-1584-200

Date Collected: 04/20/21 13:59 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 07:43	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/30/21 00:38	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 16:43	WP	XM

Client Sample ID: C-201 Lab Sample ID: 880-1584-201

Date Collected: 04/20/21 14:00 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 08:04	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/30/21 00:59	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 16:48	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-202 Lab Sample ID: 880-1584-202

Date Collected: 04/20/21 14:01 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2399	04/27/21 13:57	KL	XM
Total/NA	Analysis	8021B		1	2475	04/30/21 08:25	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/30/21 01:21	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 16:54	WP	XM

Client Sample ID: C-203 Lab Sample ID: 880-1584-203

Date Collected: 04/20/21 14:02 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/28/21 23:48	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/30/21 01:42	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 16:59	WP	XM

Client Sample ID: C-204 Lab Sample ID: 880-1584-204

Date Collected: 04/20/21 14:03 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/29/21 00:13	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/30/21 02:04	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 17:04	WP	XM

Client Sample ID: C-205 Lab Sample ID: 880-1584-205

Date Collected: 04/20/21 14:04 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/29/21 00:38	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/30/21 02:47	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 17:10	WP	XM

Lab Chronicle

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

Client Sample ID: C-206 Lab Sample ID: 880-1584-206

Date Collected: 04/20/21 14:05 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/29/21 01:03	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/30/21 03:08	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 17:26	WP	XM

Client Sample ID: C-207 Lab Sample ID: 880-1584-207

Date Collected: 04/20/21 14:06 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/29/21 01:28	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/30/21 03:29	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 17:31	WP	XM

Client Sample ID: C-208 Lab Sample ID: 880-1584-208

Date Collected: 04/20/21 14:07 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/29/21 01:53	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/30/21 03:50	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 17:47	WP	XM

Client Sample ID: C-209 Lab Sample ID: 880-1584-209

Date Collected: 04/20/21 14:08 **Matrix: Solid**
Date Received: 04/26/21 10:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2428	04/28/21 09:49	MR	XM
Total/NA	Analysis	8021B		1	2447	04/29/21 02:19	KL	XM
Total/NA	Prep	8015NM Prep			2430	04/28/21 10:09	DM	XM
Total/NA	Analysis	8015B NM		1	2466	04/30/21 04:12	AJ	XM
Soluble	Leach	DI Leach			2386	04/27/21 13:12	SC	XM
Soluble	Analysis	300.0		1	2497	04/29/21 17:53	WP	XM

Laboratory References:

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

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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	T104704400-20-21	06-30-21

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-1584-1
Project/Site: Frac Pond 19 SDG: NM

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

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.

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1584-25	C-25	Solid	04/15/21 13:22	04/26/21 10:04	
880-1584-26	C-26	Solid	04/15/21 13:23	04/26/21 10:04	
880-1584-27	C-27	Solid	04/15/21 13:24	04/26/21 10:04	
880-1584-28	C-28	Solid	04/15/21 13:25	04/26/21 10:04	
880-1584-29	C-29	Solid	04/15/21 13:26	04/26/21 10:04	
880-1584-30	C-30	Solid	04/15/21 13:27	04/26/21 10:04	
880-1584-31	C-31	Solid	04/15/21 13:28	04/26/21 10:04	
880-1584-32	C-32	Solid	04/15/21 13:29	04/26/21 10:04	
880-1584-33	C-33	Solid	04/15/21 13:30	04/26/21 10:04	
880-1584-34	C-34	Solid	04/15/21 13:31	04/26/21 10:04	
880-1584-37	C-37	Solid	04/19/21 09:02	04/26/21 10:04	
880-1584-38	C-38	Solid	04/19/21 09:03	04/26/21 10:04	
880-1584-39	C-39	Solid	04/19/21 09:04	04/26/21 10:04	
880-1584-40	C-40	Solid	04/19/21 09:05	04/26/21 10:04	
880-1584-41	C-41	Solid	04/19/21 09:06	04/26/21 10:04	
880-1584-42	C-42	Solid	04/19/21 09:07	04/26/21 10:04	
880-1584-43	C-43	Solid	04/19/21 09:08	04/26/21 10:04	
880-1584-44	C-44	Solid	04/19/21 09:09	04/26/21 10:04	
880-1584-45	C-45	Solid	04/19/21 09:10	04/26/21 10:04	
880-1584-46	C-46	Solid	04/19/21 09:11	04/26/21 10:04	
880-1584-47	C-47	Solid	04/19/21 09:12	04/26/21 10:04	
880-1584-48	C-48	Solid	04/19/21 09:13	04/26/21 10:04	
880-1584-49	C-49	Solid	04/19/21 09:14	04/26/21 10:04	
880-1584-50	C-50	Solid	04/19/21 09:15	04/26/21 10:04	
880-1584-51	C-51	Solid	04/19/21 09:16	04/26/21 10:04	
880-1584-52	C-52	Solid	04/19/21 09:17	04/26/21 10:04	
880-1584-53	C-53	Solid	04/19/21 09:18	04/26/21 10:04	
880-1584-54	C-54	Solid	04/19/21 09:19	04/26/21 10:04	
880-1584-55	C-55	Solid	04/19/21 09:20	04/26/21 10:04	
880-1584-56	C-56	Solid	04/19/21 09:21	04/26/21 10:04	
880-1584-57	C-57	Solid	04/19/21 09:22	04/26/21 10:04	
880-1584-58	C-58	Solid	04/19/21 09:23	04/26/21 10:04	
880-1584-59	C-59	Solid	04/19/21 09:24	04/26/21 10:04	
880-1584-60	C-60	Solid	04/19/21 09:25	04/26/21 10:04	
880-1584-61	C-61	Solid	04/19/21 09:26	04/26/21 10:04	
880-1584-62	C-62	Solid	04/19/21 09:27	04/26/21 10:04	
880-1584-63	C-63	Solid	04/19/21 09:28	04/26/21 10:04	
880-1584-64	C-64	Solid	04/19/21 09:29	04/26/21 10:04	
880-1584-65	C-65	Solid	04/19/21 09:30	04/26/21 10:04	
880-1584-66	C-66	Solid	04/19/21 09:31	04/26/21 10:04	
880-1584-67	C-67	Solid	04/19/21 09:32	04/26/21 10:04	
880-1584-68	C-68	Solid	04/19/21 09:33	04/26/21 10:04	
880-1584-69	C-69	Solid	04/19/21 09:34	04/26/21 10:04	
880-1584-70	C-70	Solid	04/19/21 09:35	04/26/21 10:04	
880-1584-71	C-71	Solid	04/19/21 09:36	04/26/21 10:04	
880-1584-72	C-72	Solid	04/19/21 09:37	04/26/21 10:04	
880-1584-73	C-73	Solid	04/19/21 09:38	04/26/21 10:04	
880-1584-74	C-74	Solid	04/19/21 09:39	04/26/21 10:04	
880-1584-75	C-75	Solid	04/19/21 09:40	04/26/21 10:04	
880-1584-76	C-76	Solid	04/19/21 09:41	04/26/21 10:04	
880-1584-77	C-77	Solid	04/19/21 09:42	04/26/21 10:04	
880-1584-78	C-78	Solid	04/19/21 09:43	04/26/21 10:04	
880-1584-79	C-79	Solid	04/19/21 09:44	04/26/21 10:04	

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1584-80	C-80	Solid	04/19/21 09:45	04/26/21 10:04	
880-1584-81	C-81	Solid	04/20/21 12:00	04/26/21 10:04	
880-1584-82	C-82	Solid	04/20/21 12:01	04/26/21 10:04	
880-1584-83	C-83	Solid	04/20/21 12:02	04/26/21 10:04	
880-1584-84	C-84	Solid	04/20/21 12:03	04/26/21 10:04	
880-1584-85	C-85	Solid	04/20/21 12:04	04/26/21 10:04	
880-1584-86	C-86	Solid	04/20/21 12:05	04/26/21 10:04	
880-1584-91	C-91	Solid	04/20/21 12:10	04/26/21 10:04	
880-1584-92	C-92	Solid	04/20/21 12:11	04/26/21 10:04	
880-1584-93	C-93	Solid	04/20/21 12:12	04/26/21 10:04	
880-1584-94	C-94	Solid	04/20/21 12:13	04/26/21 10:04	
880-1584-98	C-98	Solid	04/20/21 12:17	04/26/21 10:04	
880-1584-99	C-99	Solid	04/20/21 12:18	04/26/21 10:04	
880-1584-100	C-100	Solid	04/20/21 12:19	04/26/21 10:04	
880-1584-101	C-101	Solid	04/20/21 12:20	04/26/21 10:04	
880-1584-102	C-102	Solid	04/20/21 12:21	04/26/21 10:04	
880-1584-103	C-103	Solid	04/20/21 12:22	04/26/21 10:04	
880-1584-104	C-104	Solid	04/20/21 12:23	04/26/21 10:04	
880-1584-105	C-105	Solid	04/20/21 12:24	04/26/21 10:04	
880-1584-106	C-106	Solid	04/20/21 12:25	04/26/21 10:04	
880-1584-107	C-107	Solid	04/20/21 12:26	04/26/21 10:04	
880-1584-108	C-108	Solid	04/20/21 12:27	04/26/21 10:04	
880-1584-109	C-109	Solid	04/20/21 12:28	04/26/21 10:04	
880-1584-110	C-110	Solid	04/20/21 12:29	04/26/21 10:04	
880-1584-111	C-111	Solid	04/20/21 12:30	04/26/21 10:04	
880-1584-112	C-112	Solid	04/20/21 12:31	04/26/21 10:04	
880-1584-113	C-113	Solid	04/20/21 12:32	04/26/21 10:04	
880-1584-114	C-114	Solid	04/20/21 12:33	04/26/21 10:04	
880-1584-115	C-115	Solid	04/20/21 12:34	04/26/21 10:04	
880-1584-116	C-116	Solid	04/20/21 12:35	04/26/21 10:04	
880-1584-117	C-117	Solid	04/20/21 12:36	04/26/21 10:04	
880-1584-118	C-118	Solid	04/20/21 12:37	04/26/21 10:04	
880-1584-119	C-119	Solid	04/20/21 12:38	04/26/21 10:04	
880-1584-120	C-120	Solid	04/20/21 12:39	04/26/21 10:04	
880-1584-121	C-121	Solid	04/20/21 12:40	04/26/21 10:04	
880-1584-122	C-122	Solid	04/20/21 12:41	04/26/21 10:04	
880-1584-123	C-123	Solid	04/20/21 12:42	04/26/21 10:04	
880-1584-124	C-124	Solid	04/20/21 12:43	04/26/21 10:04	
880-1584-125	C-125	Solid	04/20/21 12:44	04/26/21 10:04	
880-1584-126	C-126	Solid	04/20/21 12:45	04/26/21 10:04	
880-1584-127	C-127	Solid	04/20/21 12:46	04/26/21 10:04	
880-1584-128	C-128	Solid	04/20/21 12:47	04/26/21 10:04	
880-1584-129	C-129	Solid	04/20/21 12:48	04/26/21 10:04	
880-1584-130	C-130	Solid	04/20/21 12:49	04/26/21 10:04	
880-1584-131	C-131	Solid	04/20/21 12:50	04/26/21 10:04	
880-1584-132	C-132	Solid	04/20/21 12:51	04/26/21 10:04	
880-1584-133	C-133	Solid	04/20/21 12:52	04/26/21 10:04	
880-1584-134	C-134	Solid	04/20/21 12:53	04/26/21 10:04	
880-1584-135	C-135	Solid	04/20/21 12:54	04/26/21 10:04	
880-1584-136	C-136	Solid	04/20/21 12:55	04/26/21 10:04	
880-1584-137	C-137	Solid	04/20/21 12:56	04/26/21 10:04	
880-1584-138	C-138	Solid	04/20/21 12:57	04/26/21 10:04	
880-1584-139	C-139	Solid	04/20/21 12:58	04/26/21 10:04	

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1584-140	C-140	Solid	04/20/21 12:59	04/26/21 10:04	
880-1584-141	C-141	Solid	04/20/21 13:00	04/26/21 10:04	
880-1584-142	C-142	Solid	04/20/21 13:01	04/26/21 10:04	
880-1584-143	C-143	Solid	04/20/21 13:02	04/26/21 10:04	
880-1584-144	C-144	Solid	04/20/21 13:03	04/26/21 10:04	
880-1584-145	C-145	Solid	04/20/21 13:04	04/26/21 10:04	
880-1584-146	C-146	Solid	04/20/21 13:05	04/26/21 10:04	
880-1584-147	C-147	Solid	04/20/21 13:06	04/26/21 10:04	
880-1584-148	C-148	Solid	04/20/21 13:07	04/26/21 10:04	
880-1584-149	C-149	Solid	04/20/21 13:08	04/26/21 10:04	
880-1584-150	C-150	Solid	04/20/21 13:09	04/26/21 10:04	
880-1584-151	C-151	Solid	04/20/21 13:10	04/26/21 10:04	
880-1584-152	C-152	Solid	04/20/21 13:11	04/26/21 10:04	
880-1584-153	C-153	Solid	04/20/21 13:12	04/26/21 10:04	
880-1584-154	C-154	Solid	04/20/21 13:13	04/26/21 10:04	
880-1584-155	C-155	Solid	04/20/21 13:14	04/26/21 10:04	
880-1584-156	C-156	Solid	04/20/21 13:15	04/26/21 10:04	
880-1584-157	C-157	Solid	04/20/21 13:16	04/26/21 10:04	
880-1584-158	C-158	Solid	04/20/21 13:17	04/26/21 10:04	
880-1584-159	C-159	Solid	04/20/21 13:18	04/26/21 10:04	
880-1584-160	C-160	Solid	04/20/21 13:19	04/26/21 10:04	
880-1584-161	C-161	Solid	04/20/21 13:20	04/26/21 10:04	
880-1584-162	C-162	Solid	04/20/21 13:21	04/26/21 10:04	
880-1584-163	C-163	Solid	04/20/21 13:22	04/26/21 10:04	
880-1584-164	C-164	Solid	04/20/21 13:23	04/26/21 10:04	
880-1584-165	C-165	Solid	04/20/21 13:24	04/26/21 10:04	
880-1584-166	C-166	Solid	04/20/21 13:25	04/26/21 10:04	
880-1584-167	C-167	Solid	04/20/21 13:26	04/26/21 10:04	
880-1584-168	C-168	Solid	04/20/21 13:27	04/26/21 10:04	
880-1584-169	C-169	Solid	04/20/21 13:28	04/26/21 10:04	
880-1584-170	C-170	Solid	04/20/21 13:29	04/26/21 10:04	
880-1584-171	C-171	Solid	04/20/21 13:30	04/26/21 10:04	
880-1584-172	C-172	Solid	04/20/21 13:31	04/26/21 10:04	
880-1584-173	C-173	Solid	04/20/21 13:32	04/26/21 10:04	
880-1584-174	C-174	Solid	04/20/21 13:33	04/26/21 10:04	
880-1584-175	C-175	Solid	04/20/21 13:34	04/26/21 10:04	
880-1584-176	C-176	Solid	04/20/21 13:35	04/26/21 10:04	
880-1584-177	C-177	Solid	04/20/21 13:36	04/26/21 10:04	
880-1584-178	C-178	Solid	04/20/21 13:37	04/26/21 10:04	
880-1584-179	C-179	Solid	04/20/21 13:38	04/26/21 10:04	
880-1584-180	C-180	Solid	04/20/21 13:39	04/26/21 10:04	
880-1584-181	C-181	Solid	04/20/21 13:40	04/26/21 10:04	
880-1584-182	C-182	Solid	04/20/21 13:41	04/26/21 10:04	
880-1584-183	C-183	Solid	04/20/21 13:42	04/26/21 10:04	
880-1584-184	C-184	Solid	04/20/21 13:43	04/26/21 10:04	
880-1584-185	C-185	Solid	04/20/21 13:44	04/26/21 10:04	
880-1584-186	C-186	Solid	04/20/21 13:45	04/26/21 10:04	
880-1584-187	C-187	Solid	04/20/21 13:46	04/26/21 10:04	
880-1584-188	C-188	Solid	04/20/21 13:47	04/26/21 10:04	
880-1584-189	C-189	Solid	04/20/21 13:48	04/26/21 10:04	
880-1584-190	C-190	Solid	04/20/21 13:49	04/26/21 10:04	
880-1584-191	C-191	Solid	04/20/21 13:50	04/26/21 10:04	
880-1584-192	C-192	Solid	04/20/21 13:51	04/26/21 10:04	

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Frac Pond 19

Job ID: 880-1584-1
SDG: NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1584-193	C-193	Solid	04/20/21 13:52	04/26/21 10:04	
880-1584-194	C-194	Solid	04/20/21 13:53	04/26/21 10:04	
880-1584-195	C-195	Solid	04/20/21 13:54	04/26/21 10:04	
880-1584-196	C-196	Solid	04/20/21 13:55	04/26/21 10:04	
880-1584-197	C-197	Solid	04/20/21 13:56	04/26/21 10:04	
880-1584-198	C-198	Solid	04/20/21 13:57	04/26/21 10:04	
880-1584-199	C-199	Solid	04/20/21 13:58	04/26/21 10:04	
880-1584-200	C-200	Solid	04/20/21 13:59	04/26/21 10:04	
880-1584-201	C-201	Solid	04/20/21 14:00	04/26/21 10:04	
880-1584-202	C-202	Solid	04/20/21 14:01	04/26/21 10:04	
880-1584-203	C-203	Solid	04/20/21 14:02	04/26/21 10:04	
880-1584-204	C-204	Solid	04/20/21 14:03	04/26/21 10:04	
880-1584-205	C-205	Solid	04/20/21 14:04	04/26/21 10:04	
880-1584-206	C-206	Solid	04/20/21 14:05	04/26/21 10:04	
880-1584-207	C-207	Solid	04/20/21 14:06	04/26/21 10:04	
880-1584-208	C-208	Solid	04/20/21 14:07	04/26/21 10:04	
880-1584-209	C-209	Solid	04/20/21 14:08	04/26/21 10:04	

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№1417

CHAIN-OF-CUSTODY

5/10/2021

Larson & Associates, Inc.
Environmental Consultants
Midland, TX 79701
432-687-0901

00

DATE: 4/13/2021 PAGE 1 OF 14

PO#: _____ LAB WORK ORDER#: _____

PROJECT LOCATION OR NAME: Frac Pond 19

LAI PROJECT #: 19-0180-05 COLLECTOR: BMB

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

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 ☐ | Hold

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	BTEX	TRPH	GRO	DRO	OIL	VOC	SVOC	PAH	PEST	PCB	TCLP M	TCLP P	TM	LEAD	RCI	TDS	pH	EXPL	CHL	Hold	FIELD NOTES
C-1		4/15/21	1258	S	1				X		X		X	X	X														X	X	
C-2			1259																												
C-3			1300																												
C-4			1301																												
C-5			1302																												
C-6			1303																												
C-7			1304																												
C-8			1305																												
C-9			1306																												
C-10			1307																												
C-11			1308																												
C-12			1309																												
C-13			1310																												
C-14			1311																												
C-15			1312																												
TOTAL																														

RELINQUISHED BY (Signature) DATE/TIME 4/16/21 9:46 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 2.1/2.6 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☑ NOT USED
☐ CARRIER BILL # _____
☑ HAND DELIVERED

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Received by OCD: 9/21/2021 11:24:22 AM

Released to Imaging: 10/13/2021 7:58:41 AM

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№1418

CHAIN-OF-CUSTODY

5/10/2021

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

Data Reported to

DATE: 4/22/2021 PAGE 2 OF 14

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Frac Road 19

LAI PROJECT #: 19-0180-05 COLLECTOR: MB

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State: MST

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 ☐	Hold	FIELD NOTES
C-16		4/15/21	1313	S	1				X		X		X	X	X												X	X		
C-17			1314																									X		
C-18			1315																									X		
C-19			1316																									X		
C-20			1317																									X		
C-21			1318																									X		
C-22			1319																									X		
C-23			1320																									X		
C-24			1321																									X		
C-25			1328																											
C-26			1323																											
C-27			1324																											
C-28			1325																											
C-29			1326																											
C-30			1327																											
TOTAL																														

RELINQUISHED BY (Signature) DATE/TIME 4/26/21 9:44 RECEIVED BY (Signature) Kelsey

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 2.1/2.6 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☑ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

Page 261 of 274

Received by OCD: 9/21/2021 11:24:22 AM

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№1419

CHAIN-OF-CUSTODY

5/10/2021

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

Data Reported to

DATE: 4/22/2021 PAGE 3 OF 14

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Frac Pond 19

LAI PROJECT # 19-0180-05 COLLECTOR: MB

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State: MST

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	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 ☐	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 ☐ Hold	FIELD NOTES
C-31		4/15/21	1328	S	1				X		X		X	X	X													X	
C-32		"	1329	"	"				"		"		"	"	"													"	
C-33		"	1330	"	"				"		"		"	"	"													"	
C-34		"	1331	"	"				"		"		"	"	"													"	
C-35		4/19/21	0900	"	"				"		"		"	"	"													X	
C-36		"	0901	"	"				"		"		"	"	"													X	
C-37		"	0902	"	"				"		"		"	"	"													"	
C-38		"	0903	"	"				"		"		"	"	"													"	
C-39		"	0904	"	"				"		"		"	"	"													"	
C-40		"	0905	"	"				"		"		"	"	"													"	
C-41		"	0906	"	"				"		"		"	"	"													"	
C-42		"	0907	"	"				"		"		"	"	"													"	
C-43		"	0908	"	"				"		"		"	"	"													"	
C-44		"	0909	"	"				"		"		"	"	"													"	
C-45		"	0910	"	"				"		"		"	"	"													"	
TOTAL																													

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
	4/22/21 9:44	
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 2.1/2.6 THERM# IR 8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☑ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

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Received by OCD: 9/21/2021 11:24:22 AM

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№1420

CHAIN-OF-CUSTODY

5/10/2021

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

DATE: 4/22/2021 PAGE 4 OF 14

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Frac Pond 19

LAI PROJECT #: 19-0180-05 COLLECTOR MB

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

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 ☐ | 8082 PCBS ☐ | 8151 HERBICIDES ☐ | TBLP - 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	ANALYSES	FIELD NOTES
C-46		4/19/21	0911	S	1				X		X	
C-47		"	0912	"	"				"		"	
C-48			0913									
C-49			0914									
C-50			0915									
C-51			0916									
C-52			0917									
C-53			0918									
C-54			0919									
C-55			0920									
C-56			0921									
C-57			0922									
C-58			0923									
C-59			0924									
C-60			0925									
TOTAL												

RELINQUISHED BY (Signature) DATE/TIME 4/22/21 9:46 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 2.1/2.6 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☑ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

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Received by OCD: 9/21/2021 11:24:22 AM

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№1306

CHAIN-OF-CUSTODY

5/10/2021

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

DATE: 4/22/2021 PAGE 5 OF 14

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Frac Pond 19

LAI PROJECT # 19-0180-05 COLLECTOR MB

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

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 - PEST ☐ | HERB ☐ | TCLP VOC ☐ | TOTAL METALS (RCRA) ☐ | Semi-VOC ☐ | LEAD - TOTAL ☐ | D W 200.8 ☐ | OTHER LIST ☐ | RCI ☐ | TOX ☐ | TCLP ☐ | TDS ☐ | TSS ☐ | FLASHPOINT ☐ | pH ☐ | % MOISTURE ☐ | HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ | CYANIDE ☐ | CHLORIDES ☒ | PECHLORATE ☐ | ANIONS ☐ | ALKALINITY ☐

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	BTEX	TRPH	GASOLINE MOD 8015	DIESEL - MOD 8015	OIL - MOD 8015	FIELD NOTES
C-61		4/19/21	0926	S	1				X		X		X	X	X	
C-62			0927													
C-63			0928													
C-64			0929													
C-65			0930													
C-66			0931													
C-67			0932													
C-68			0933													
C-69			0934													
C-70			0935													
C-71			0936													
C-72			0937													
C-73			0938													
C-74			0939													
C-75			0940													
TOTAL																

RELINQUISHED BY (Signature) DATE/TIME 4/22/21 9:46 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 2.1/2.6 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

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Received by OCD: 9/21/2021 11:24:22 AM

Released to Imaging: 10/13/2021 7:58:41 AM

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№ 1307

CHAIN-OF-CUSTODY

5/10/2021

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

DATE 4/23/21 PAGE 6 OF 14

PO#. _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME. Frac Pond 19

LAI PROJECT #. 19-0180-05 COLLECTOR MB

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 ☐	Hold	FIELD NOTES
C-76		4/19/21	0941	S	1				X		X		X	X	X															X		
C-77			0942																													
C-78			0943																													
C-79			0944																													
C-80			0945																													
C-81		4/20/21	1200																													
C-82			1201																													
C-83			1202																													
C-84			1203																													
C-85			1204																													
C-86			1205																													
C-87			1206																													
C-88			1207																												X	
C-89			1208																												X	
C-90			1209																												X	
TOTAL																																

RELINQUISHED BY (Signature) DATE/TIME 4/16/21 9:06 RECEIVED BY (Signature) KW

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 2.1/2.6 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

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Received by OCD: 9/21/2021 11:24:22 AM

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№ 1308

CHAIN-OF-CUSTODY

5/10/2021

Larson & Associates, Inc.
Environmental Consultants
Midland, TX 79701
432-687-0901

Data Reported to

E: 4/23/21 PAGE 7 OF 14

PROJECT LOCATION OR NAME Frac Pond 19

LAI PROJECT #: 19-0180-05 COLLECTOR MB

LAB WORK ORDER#:

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State: MST

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 ☐ | 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 ☐ Hold

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	BTEX	TRPH	GRO	DRO	OIL	VOC	SVOC	PAH	HOLD	PEST	HERB	PCB	TBLP	TCLP	TM	OTHER	LEAD	RCI	TDS	TSS	pH	% MOIST	HEX CR	EXPL	PERC	CHLOR	ALK	Hold	FIELD NOTES
C-91		4/22/21	1210	S	1				X		X		X	X	X																	X						
C-92		"	1211	"	1				"		"		"	"	"																	"						
C-93			1212																																			
C-94			1213																																			
C-95			1214																														X					
C-96			1215																														X					
C-97			1216																														X					
C-98			1217																																			
C-99			1218																																			
C-100			1219																																			
C-101			1220																																			
C-102			1221																																			
C-103			1222																																			
C-104			1223																																			
C-105		"	1224	"	1				"		"		"	"	"																	"						
TOTAL																																						

RELINQUISHED BY (Signature) DATE/TIME 4/26/21 9:46 RECEIVED BY: (Signature) KW

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 2.1/2.6 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

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Received by OCD: 9/21/2021 11:24:22 AM

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№ 1309

CHAIN-OF-CUSTODY

5/10/2021

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

Data Reported to

DATE: 4/23/21 PAGE 8 OF 14

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: frac pond 19

LAI PROJECT # 19-0180-05 COLLECTOR MB

TRRP report? ☐ Yes ☒ No

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

TIME ZONE Time zone/State: MST

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
C-106		4/20/21	1225	S	1				X		X		X	X	X													X		
C-107		"	1226	"	"				"		"		"	"	"													"		
C-108		"	1227	"	"				"		"		"	"	"													"		
C-109		"	1228	"	"				"		"		"	"	"													"		
C-110		"	1229	"	"				"		"		"	"	"													"		
C-111		"	1230	"	"				"		"		"	"	"													"		
C-112		"	1231	"	"				"		"		"	"	"													"		
C-113		"	1232	"	"				"		"		"	"	"													"		
C-114		"	1233	"	"				"		"		"	"	"													"		
C-115		"	1234	"	"				"		"		"	"	"													"		
C-116		"	1235	"	"				"		"		"	"	"													"		
C-117		"	1236	"	"				"		"		"	"	"													"		
C-118		"	1237	"	"				"		"		"	"	"													"		
C-119		"	1238	"	"				"		"		"	"	"													"		
C-120		"	1239	"	"				"		"		"	"	"													"		
TOTAL																														

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
	4/26/21 9:40	
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 2.1/2.6 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Page 267 of 274

Received by OCD: 9/21/2021 11:24:22 AM

Released to Imaging: 10/13/2021 7:58:41 AM

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№ 1310

CHAIN-OF-CUSTODY

5/10/2021

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

DATE: 4/13/21 PAGE 9 OF 14

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Frac Pond 19

LAI PROJECT #: 19-0180-05 COLLECTOR MB

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	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 ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-121		4/20/21	1240	S	1				X		X			X	X	X													X	
C-122		"	1241	"	"				"		"			"	"	"													"	
C-123		"	1242	"	"				"		"			"	"	"													"	
C-124		"	1243	"	"				"		"			"	"	"													"	
C-125		"	1244	"	"				"		"			"	"	"													"	
C-126		"	1245	"	"				"		"			"	"	"													"	
C-127		"	1246	"	"				"		"			"	"	"													"	
C-128		"	1247	"	"				"		"			"	"	"													"	
C-129		"	1248	"	"				"		"			"	"	"													"	
C-130		"	1249	"	"				"		"			"	"	"													"	
C-131		"	1250	"	"				"		"			"	"	"													"	
C-132		"	1251	"	"				"		"			"	"	"													"	
C-133		"	1252	"	"				"		"			"	"	"													"	
C-134		"	1253	"	"				"		"			"	"	"													"	
C-135		"	1254	"	"				"		"			"	"	"													"	
TOTAL																														

RELINQUISHED BY (Signature) DATE/TIME 4/16/21 9:46 RECEIVED BY (Signature)

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

LABORATORY XENCO

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

LABORATORY USE ONLY:
RECEIVING TEMP 2.1/2.6 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Page 268 of 274

Received by OCD: 9/21/2021 11:24:22 AM

Released to Imaging: 10/13/2021 7:58:41 AM

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№ 1311

CHAIN-OF-CUSTODY

5/10/2021

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

DATE: 4/23/21 PAGE 10 OF 14

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: frac pond 19

LAI PROJECT # 19-0180-05 COLLECTOR: MB

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	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 ☐	FIELD NOTES
C-136		4/20/21	1255	S	1				X	X		X	X	X													X			
C-137			1256																											
C-138			1257																											
C-139			1258																											
C-140			1259																											
C-141			1300																											
C-142			1301																											
C-143			1302																											
C-144			1303																											
C-145			1304																											
C-146			1305																											
C-147			1306																											
C-148			1307																											
C-149			1308																											
C-150			1309																											
TOTAL																														

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
	4/26/21 9:16	
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 2.1/2.4 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

Page 269 of 274

Received by OCD: 9/21/2021 11:24:22 AM

Released to Imaging: 10/13/2021 7:58:41 AM

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№ 1312

CHAIN-OF-CUSTODY

5/10/2021

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

DATE 4/23/21 PAGE 11 OF 14

PO#. LAB WORK ORDER#

PROJECT LOCATION OR NAME Frac Pond 19

LAI PROJECT # 19-0180-05 COLLECTOR MB

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES	FIELD NOTES
C-151		4/20/21	1310	S	1				X		X	
C-152			1311								X	
C-153			1312								X	
C-154			1313								X	
C-155			1314									
C-156			1315									
C-157			1316									
C-158			1317									
C-159		1318	~~1320~~									
C-160			1319									
C-161			1320									
C-162			1321									
C-163			1322									
C-164			1323									
C-165			1324									
TOTAL												

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 ☐ | pH ☐ | HEXAVALENT CHROMIUM ☐ | CYANIDE ☐ | EXPLOSIVES ☐ | PECHLORATE ☐ | CHLORIDES ☒ | ANIONS ☐ | ALKALINITY ☐

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
	4/26/21 9:40	
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 2.1/2.6 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

Page 270 of 274

Received by OCD: 9/21/2021 11:24:22 AM

Released to Imaging: 10/13/2021 7:58:41 AM

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№ 1313

CHAIN-OF-CUSTODY

5/10/2021

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

DATE: 4/23/21 PAGE 12 OF 14

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Frac Pond 19

LAI PROJECT #: 19-0180-05 COLLECTOR MB

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

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 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 ☐	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
C-166		4/20/21	1325	S	1				X		X			X	X	X												X		
C-167			1326																											
C-168			1327																											
C-169			1328																											
C-170			1329																											
C-171			1330																											
C-172			1331																											
C-173			1332																											
C-174			1333																											
C-175			1334																											
C-176			1335																											
C-177			1336																											
C-178			1337																											
C-179			1338																											
C-180			1339																											
TOTAL																														

RELINQUISHED BY (Signature) DATE/TIME 4/26/21 9:45 RECEIVED BY (Signature)

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LABORATORY XENCO

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

LABORATORY USE ONLY:
RECEIVING TEMP 2.1/2.4 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

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Received by OCD: 9/21/2021 11:24:22 AM

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№1314

CHAIN-OF-CUSTODY

5/10/2021

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

Data Reported to

DATE: 4/23/21 PAGE 13 OF 14

PO# _____ LAB WORK ORDER#: _____

PROJECT LOCATION OR NAME: frac pond 19

LAI PROJECT # 19-0180-05 COLLECTOR MB

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State
MST

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
C-181		4/20/21	1340	S	1				X		X		XX	X													X		
C-182		"	1341	"	"				"		"		"	"													"		
C-183			1342																										
C-184			1343																										
C-185			1344																										
C-186			1345																										
C-187			1346																										
C-188			1347																										
C-189			1348																										
C-190			1349																										
C-191			1350																										
C-192			1351																										
C-193			1352																										
C-194			1353																										
C-195			1354																										
TOTAL																													

RELINQUISHED BY (Signature) DATE/TIME 4/22/21 9.46 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 2.1/2.6 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

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Received by OCD: 9/21/2021 11:24:22 AM

Released to Imaging: 10/13/2021 7:58:41 AM

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№ 1315

CHAIN-OF-CUSTODY

5/10/2021

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

Data Reported to

DATE 4/23/21 PAGE 14 OF 14
PO#: LAB WORK ORDER#:
PROJECT LOCATION OR NAME Frac Pond 19
LAI PROJECT # 19-0180-05 COLLECTOR MB

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 ☐	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 ☐	pH ☐	HEXAVALENT CHROMIUM ☐	CYANIDE ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-196		4/20/21	1355	S	1				X		X				X	X	X																								X			
C-197			1356																																									
C-198			1357																																									
C-199			1358																																									
C-200			1359																																									
C-201			1400																																									
C-202			1401																																									
C-203			1402																																									
C-204			1403																																									
C-205			1404																																									
C-206			1405																																									
C-207			1406																																									
C-208			1407																																									
C-209			1408																																									
TOTAL																																												

RELINQUISHED BY (Signature) DATE/TIME 4/26/21 9:46 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 2.1/2.6 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

Page 273 of 274

Received by OCD: 9/21/2021 11:24:22 AM

Released to Imaging: 10/13/2021 7:58:41 AM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-1584-1
SDG Number: NM

Login Number: 1584
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	

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ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-2319-1
Client Project/Site: SD Frac 19

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
5/26/2021 3:27:45 PM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

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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: SD Frac 19

Laboratory Job ID: 880-2319-1

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-2319-1
Project/Site: SD Frac 19

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, 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
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: SD Frac 19

Job ID: 880-2319-1

Job ID: 880-2319-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-2319-1

Comments
No additional comments.

Receipt
The samples were received on 5/20/2021 8:55 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 6.0º C.

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-3263 and analytical batch 880-3260 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: Internal standard responses were outside of acceptance limits for the following samples: C-85 (880-2319-19), C-103 (880-2319-20), C-104 (880-2319-21), C-130 (880-2319-25), C-131 (880-2319-26), C-132 (880-2319-27), C-134 (880-2319-28), C-136 (880-2319-29), C-137 (880-2319-30), C-138 (880-2319-31), C-140 (880-2319-33), C-141 (880-2319-34), C-156 (880-2319-35) and C-201 (880-2319-38). The sample(s) shows evidence of matrix interference.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-85 (880-2319-19), C-128 (880-2319-24), C-130 (880-2319-25), C-131 (880-2319-26), C-136 (880-2319-29), C-137 (880-2319-30) and C-138 (880-2319-31). 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 8015B NM: The laboratory control sample (LCS) associated with preparation batch 880-3264 and analytical batch 880-3310 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 8015B NM: The continuing calibration verification (CCV) associated with batch 880-3310 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 samples are impacted: (CCV 880-3310/19) and (CCV 880-3310/30).

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: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-25
Date Collected: 05/19/21 12:00
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		05/20/21 09:19	05/20/21 13:16	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		05/20/21 09:19	05/20/21 13:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 13:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 13:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 13:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 13:16	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/20/21 09:19*	*05/20/21 13:16*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/20/21 09:19*	*05/20/21 13:16*	*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		05/20/21 09:41	05/21/21 11:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/20/21 09:41	05/21/21 11:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 11:45	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/20/21 09:41*	*05/21/21 11:45*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/20/21 09:41*	*05/21/21 11:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.3**		4.99		mg/Kg			05/25/21 21:28	1

Client Sample ID: C-41
Date Collected: 05/19/21 12:01
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-2
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		05/20/21 09:19	05/20/21 13:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 13:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 13:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 13:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 13:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 13:37	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/20/21 09:19*	*05/20/21 13:37*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/20/21 09:19*	*05/20/21 13:37*	*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		05/20/21 09:41	05/21/21 12:49	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-41
Date Collected: 05/19/21 12:01
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		05/20/21 09:41	05/21/21 12:49	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/20/21 09:41	05/21/21 12:49	1
Total TPH	<49.8	U	49.8		mg/Kg		05/20/21 09:41	05/21/21 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*05/20/21 09:41*	*05/21/21 12:49*	*1*
o-Terphenyl	*124*		*70 - 130*	*05/20/21 09:41*	*05/21/21 12:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.2**		5.05		mg/Kg			05/25/21 21:43	1

Client Sample ID: C-61
Date Collected: 05/19/21 12:02
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-3
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		05/20/21 09:19	05/20/21 13:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 13:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 13:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/20/21 09:19	05/20/21 13:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 13:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/20/21 09:19	05/20/21 13:57	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/20/21 09:19	05/20/21 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/20/21 09:19*	*05/20/21 13:57*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/20/21 09:19*	*05/20/21 13:57*	*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		05/20/21 09:41	05/21/21 13:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		05/20/21 09:41	05/21/21 13:10	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/20/21 09:41	05/21/21 13:10	1
Total TPH	<49.8	U	49.8		mg/Kg		05/20/21 09:41	05/21/21 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/20/21 09:41*	*05/21/21 13:10*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/20/21 09:41*	*05/21/21 13:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.7**		5.02		mg/Kg			05/25/21 21:49	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-63
Date Collected: 05/19/21 12:03
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-4
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		05/20/21 09:19	05/20/21 14:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 14:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 14:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/20/21 09:19	05/20/21 14:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 14:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/20/21 09:19	05/20/21 14:18	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/20/21 09:19	05/20/21 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/20/21 09:19*	*05/20/21 14:18*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/20/21 09:19*	*05/20/21 14:18*	*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		05/20/21 09:41	05/21/21 13:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/20/21 09:41	05/21/21 13:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 13:31	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/20/21 09:41*	*05/21/21 13:31*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/20/21 09:41*	*05/21/21 13:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.1**		4.98		mg/Kg			05/25/21 21:54	1

Client Sample ID: C-65
Date Collected: 05/19/21 12:04
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-5
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		05/20/21 09:19	05/20/21 14:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 14:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 14:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 14:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 14:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 14:38	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/20/21 09:19*	*05/20/21 14:38*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/20/21 09:19*	*05/20/21 14:38*	*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		05/20/21 09:41	05/21/21 13:52	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-65
Date Collected: 05/19/21 12:04
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/20/21 09:41	05/21/21 13:52	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 13:52	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*05/20/21 09:41*	*05/21/21 13:52*	*1*
o-Terphenyl	*112*		*70 - 130*	*05/20/21 09:41*	*05/21/21 13:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		4.97		mg/Kg			05/25/21 21:59	1

Client Sample ID: C-66
Date Collected: 05/19/21 12:05
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-6
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		05/20/21 09:19	05/20/21 14:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 14:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 14:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 14:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 14:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 14:58	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/20/21 09:19*	*05/20/21 14:58*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/20/21 09:19*	*05/20/21 14:58*	*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		05/20/21 09:41	05/21/21 14:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/20/21 09:41	05/21/21 14:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 14:13	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*05/20/21 09:41*	*05/21/21 14:13*	*1*
o-Terphenyl	*104*		*70 - 130*	*05/20/21 09:41*	*05/21/21 14:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**412**	**F1**	4.96		mg/Kg			05/24/21 21:40	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-2319-1
Project/Site: SD Frac 19

Client Sample ID: C-67 Lab Sample ID: 880-2319-7
Date Collected: 05/19/21 12:06 **Matrix: Solid**
Date Received: 05/20/21 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 15:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 15:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 15:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/20/21 09:19	05/20/21 15:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 15:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/20/21 09:19	05/20/21 15:19	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/20/21 09:19	05/20/21 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/20/21 09:19*	*05/20/21 15:19*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/20/21 09:19*	*05/20/21 15:19*	*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		05/20/21 09:41	05/21/21 14:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/20/21 09:41	05/21/21 14:34	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 14:34	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/20/21 09:41*	*05/21/21 14:34*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/20/21 09:41*	*05/21/21 14:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1040**		4.98		mg/Kg			05/24/21 21:55	1

Client Sample ID: C-68 Lab Sample ID: 880-2319-8
Date Collected: 05/19/21 12:07 **Matrix: Solid**
Date Received: 05/20/21 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:19	05/20/21 15:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:19	05/20/21 15:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:19	05/20/21 15:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/20/21 09:19	05/20/21 15:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:19	05/20/21 15:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/20/21 09:19	05/20/21 15:48	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/20/21 09:19	05/20/21 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/20/21 09:19*	*05/20/21 15:48*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/20/21 09:19*	*05/20/21 15:48*	*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		05/20/21 09:41	05/21/21 14:56	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-2319-1
Project/Site: SD Frac 19

Client Sample ID: C-68 Lab Sample ID: 880-2319-8
Date Collected: 05/19/21 12:07 **Matrix: Solid**
Date Received: 05/20/21 08:55

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/20/21 09:41	05/21/21 14:56	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 14:56	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/20/21 09:41*	*05/21/21 14:56*	*1*
o-Terphenyl	*104*		*70 - 130*	*05/20/21 09:41*	*05/21/21 14:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**98.2**		4.99		mg/Kg			05/24/21 21:59	1

Client Sample ID: C-69 Lab Sample ID: 880-2319-9
Date Collected: 05/19/21 12:08 **Matrix: Solid**
Date Received: 05/20/21 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 18:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 18:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 18:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 18:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 18:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 18:19	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*05/20/21 09:19*	*05/20/21 18:19*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/20/21 09:19*	*05/20/21 18:19*	*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		05/20/21 09:41	05/21/21 15:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/20/21 09:41	05/21/21 15:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 15:17	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*05/20/21 09:41*	*05/21/21 15:17*	*1*
o-Terphenyl	*99*		*70 - 130*	*05/20/21 09:41*	*05/21/21 15:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2790**		25.2		mg/Kg			05/24/21 22:04	5

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-2319-1
Project/Site: SD Frac 19

Client Sample ID: C-70 Lab Sample ID: 880-2319-10
Date Collected: 05/19/21 12:09 **Matrix: Solid**
Date Received: 05/20/21 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 18:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 18:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 18:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 18:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 18:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 18:40	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*05/20/21 09:19*	*05/20/21 18:40*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/20/21 09:19*	*05/20/21 18:40*	*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		05/20/21 09:41	05/21/21 15:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/20/21 09:41	05/21/21 15:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 15:38	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/20/21 09:41*	*05/21/21 15:38*	*1*
o-Terphenyl	*108*		*70 - 130*	*05/20/21 09:41*	*05/21/21 15:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3110		25.3		mg/Kg			05/24/21 22:09	5

Client Sample ID: C-71 Lab Sample ID: 880-2319-11
Date Collected: 05/19/21 12:10 **Matrix: Solid**
Date Received: 05/20/21 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 19:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 19:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 19:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 19:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 19:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 19:00	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*05/20/21 09:19*	*05/20/21 19:00*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/20/21 09:19*	*05/20/21 19:00*	*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		05/20/21 09:41	05/21/21 16:20	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-71
Date Collected: 05/19/21 12:10
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		05/20/21 09:41	05/21/21 16:20	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/20/21 09:41	05/21/21 16:20	1
Total TPH	<49.8	U	49.8		mg/Kg		05/20/21 09:41	05/21/21 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/20/21 09:41*	*05/21/21 16:20*	*1*
o-Terphenyl	*104*		*70 - 130*	*05/20/21 09:41*	*05/21/21 16:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**943**	**F1**	4.95		mg/Kg			05/25/21 23:34	1

Client Sample ID: C-72
Date Collected: 05/19/21 12:11
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-12
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		05/20/21 09:19	05/20/21 19:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:19	05/20/21 19:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:19	05/20/21 19:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/20/21 09:19	05/20/21 19:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:19	05/20/21 19:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/20/21 09:19	05/20/21 19:21	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/20/21 09:19	05/20/21 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/20/21 09:19*	*05/20/21 19:21*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/20/21 09:19*	*05/20/21 19:21*	*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		05/20/21 09:41	05/21/21 16:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/20/21 09:41	05/21/21 16:41	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 16:41	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/20/21 09:41*	*05/21/21 16:41*	*1*
o-Terphenyl	*108*		*70 - 130*	*05/20/21 09:41*	*05/21/21 16:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**619**		4.98		mg/Kg			05/24/21 22:29	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-76

Date Collected: 05/19/21 12:12
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-13
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		05/20/21 09:19	05/20/21 19:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 19:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 19:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/20/21 09:19	05/20/21 19:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 19:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/20/21 09:19	05/20/21 19:41	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/20/21 09:19	05/20/21 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/20/21 09:19*	*05/20/21 19:41*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/20/21 09:19*	*05/20/21 19:41*	*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		05/20/21 09:41	05/21/21 17:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/20/21 09:41	05/21/21 17:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 17:03	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/20/21 09:41*	*05/21/21 17:03*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/20/21 09:41*	*05/21/21 17:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**400**		4.99		mg/Kg			05/24/21 22:34	1

Client Sample ID: C-77

Date Collected: 05/19/21 12:13
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-14
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		05/20/21 09:19	05/20/21 20:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/20/21 09:19	05/20/21 20:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/20/21 09:19	05/20/21 20:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/20/21 09:19	05/20/21 20:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/20/21 09:19	05/20/21 20:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/20/21 09:19	05/20/21 20:02	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		05/20/21 09:19	05/20/21 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*05/20/21 09:19*	*05/20/21 20:02*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/20/21 09:19*	*05/20/21 20:02*	*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		05/20/21 09:41	05/21/21 17:24	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-77
Date Collected: 05/19/21 12:13
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/20/21 09:41	05/21/21 17:24	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 17:24	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/20/21 09:41*	*05/21/21 17:24*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/20/21 09:41*	*05/21/21 17:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**562**		4.95		mg/Kg			05/24/21 22:39	1

Client Sample ID: C-78
Date Collected: 05/19/21 12:14
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-15
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		05/20/21 09:19	05/20/21 20:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 20:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 20:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/20/21 09:19	05/20/21 20:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 20:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/20/21 09:19	05/20/21 20:22	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/20/21 09:19	05/20/21 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*05/20/21 09:19*	*05/20/21 20:22*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/20/21 09:19*	*05/20/21 20:22*	*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		05/20/21 09:41	05/21/21 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/20/21 09:41	05/21/21 17:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 17:45	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*05/20/21 09:41*	*05/21/21 17:45*	*1*
o-Terphenyl	*108*		*70 - 130*	*05/20/21 09:41*	*05/21/21 17:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.5**		4.95		mg/Kg			05/24/21 22:44	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-82
Date Collected: 05/19/21 12:15
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-16
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		05/20/21 09:19	05/20/21 20:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 20:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 20:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/20/21 09:19	05/20/21 20:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 20:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/20/21 09:19	05/20/21 20:42	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/20/21 09:19	05/20/21 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/20/21 09:19*	*05/20/21 20:42*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/20/21 09:19*	*05/20/21 20:42*	*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		05/20/21 09:41	05/21/21 18:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/20/21 09:41	05/21/21 18:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 18:06	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*05/20/21 09:41*	*05/21/21 18:06*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/20/21 09:41*	*05/21/21 18:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.8**	**F1**	4.95		mg/Kg			05/24/21 22:48	1

Client Sample ID: C-83
Date Collected: 05/19/21 12:16
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-17
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		05/20/21 09:19	05/20/21 21:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 21:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 21:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 21:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:19	05/20/21 21:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 21:03	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:19	05/20/21 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/20/21 09:19*	*05/20/21 21:03*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/20/21 09:19*	*05/20/21 21:03*	*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		05/20/21 09:41	05/21/21 18:27	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-83
Date Collected: 05/19/21 12:16
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/20/21 09:41	05/21/21 18:27	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 18:27	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*05/20/21 09:41*	*05/21/21 18:27*	*1*
o-Terphenyl	*122*		*70 - 130*	*05/20/21 09:41*	*05/21/21 18:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.5**		5.05		mg/Kg			05/24/21 23:03	1

Client Sample ID: C-84
Date Collected: 05/19/21 12:17
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-18
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		05/20/21 09:19	05/20/21 21:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 21:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 21:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/20/21 09:19	05/20/21 21:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 21:23	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/20/21 09:19	05/20/21 21:23	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/20/21 09:19	05/20/21 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/20/21 09:19*	*05/20/21 21:23*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/20/21 09:19*	*05/20/21 21:23*	*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		05/20/21 09:41	05/21/21 18:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/20/21 09:41	05/21/21 18:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 18:48	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*05/20/21 09:41*	*05/21/21 18:48*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/20/21 09:41*	*05/21/21 18:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.7**		5.04		mg/Kg			05/24/21 23:08	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-85
Date Collected: 05/19/21 12:18
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-19
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1	0.00202		mg/Kg		05/20/21 09:33	05/21/21 01:01	1
Toluene	<0.00202	U F1	0.00202		mg/Kg		05/20/21 09:33	05/21/21 01:01	1
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		05/20/21 09:33	05/21/21 01:01	1
m-Xylene & p-Xylene	<0.00403	U F1	0.00403		mg/Kg		05/20/21 09:33	05/21/21 01:01	1
o-Xylene	<0.00202	U F1	0.00202		mg/Kg		05/20/21 09:33	05/21/21 01:01	1
Xylenes, Total	<0.00403	U F1	0.00403		mg/Kg		05/20/21 09:33	05/21/21 01:01	1
Total BTEX	<0.00403	U F1 F2	0.00403		mg/Kg		05/20/21 09:33	05/21/21 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*05/20/21 09:33*	*05/21/21 01:01*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*05/20/21 09:33*	*05/21/21 01:01*	*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		05/20/21 09:41	05/21/21 19:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		05/20/21 09:41	05/21/21 19:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 19:09	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:41	05/21/21 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*05/20/21 09:41*	*05/21/21 19:09*	*1*
o-Terphenyl	*121*		*70 - 130*	*05/20/21 09:41*	*05/21/21 19:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.6**		5.02		mg/Kg			05/24/21 23:23	1

Client Sample ID: C-103
Date Collected: 05/19/21 12:19
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-20
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		05/20/21 09:33	05/21/21 01:21	1
Toluene	**0.00238**		0.00200		mg/Kg		05/20/21 09:33	05/21/21 01:21	1
Ethylbenzene	**0.00327**		0.00200		mg/Kg		05/20/21 09:33	05/21/21 01:21	1
m-Xylene & p-Xylene	**0.00758**		0.00399		mg/Kg		05/20/21 09:33	05/21/21 01:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 01:21	1
Xylenes, Total	**0.00758**		0.00399		mg/Kg		05/20/21 09:33	05/21/21 01:21	1
Total BTEX	**0.0132**		0.00399		mg/Kg		05/20/21 09:33	05/21/21 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/20/21 09:33*	*05/21/21 01:21*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*05/20/21 09:33*	*05/21/21 01:21*	*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		05/20/21 09:41	05/21/21 19:30	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-103
Date Collected: 05/19/21 12:19
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		05/20/21 09:41	05/21/21 19:30	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 19:30	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*05/20/21 09:41*	*05/21/21 19:30*	*1*
o-Terphenyl	*116*		*70 - 130*	*05/20/21 09:41*	*05/21/21 19:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		4.95		mg/Kg			05/24/21 23:28	1

Client Sample ID: C-104
Date Collected: 05/19/21 12:20
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-21
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		05/20/21 09:33	05/21/21 01:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/20/21 09:33	05/21/21 01:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/20/21 09:33	05/21/21 01:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/20/21 09:33	05/21/21 01:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/20/21 09:33	05/21/21 01:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/20/21 09:33	05/21/21 01:42	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		05/20/21 09:33	05/21/21 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/20/21 09:33*	*05/21/21 01:42*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/20/21 09:33*	*05/21/21 01:42*	*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		05/20/21 09:59	05/21/21 11:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 11:45	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 11:45	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*05/20/21 09:59*	*05/21/21 11:45*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/20/21 09:59*	*05/21/21 11:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**298**		4.99		mg/Kg			05/24/21 23:32	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-105
Date Collected: 05/19/21 12:21
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-22
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		05/20/21 09:33	05/21/21 02:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 02:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 02:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/20/21 09:33	05/21/21 02:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 02:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/20/21 09:33	05/21/21 02:02	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/20/21 09:33	05/21/21 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/20/21 09:33*	*05/21/21 02:02*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/20/21 09:33*	*05/21/21 02:02*	*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		05/20/21 09:59	05/21/21 12:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/20/21 09:59	05/21/21 12:49	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/20/21 09:59	05/21/21 12:49	1
Total TPH	<49.8	U	49.8		mg/Kg		05/20/21 09:59	05/21/21 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/20/21 09:59*	*05/21/21 12:49*	*1*
o-Terphenyl	*100*		*70 - 130*	*05/20/21 09:59*	*05/21/21 12:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		5.00		mg/Kg			05/24/21 23:37	1

Client Sample ID: C-110
Date Collected: 05/19/21 12:22
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-23
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		05/20/21 09:33	05/21/21 02:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 02:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 02:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/20/21 09:33	05/21/21 02:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 02:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/20/21 09:33	05/21/21 02:23	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/20/21 09:33	05/21/21 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/20/21 09:33*	*05/21/21 02:23*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/20/21 09:33*	*05/21/21 02:23*	*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		05/20/21 09:59	05/21/21 13:10	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-110
Date Collected: 05/19/21 12:22
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/20/21 09:59	05/21/21 13:10	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/20/21 09:59	05/21/21 13:10	1
Total TPH	<49.8	U	49.8		mg/Kg		05/20/21 09:59	05/21/21 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*05/20/21 09:59*	*05/21/21 13:10*	*1*
o-Terphenyl	*97*		*70 - 130*	*05/20/21 09:59*	*05/21/21 13:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.2**		4.96		mg/Kg			05/24/21 23:42	1

Client Sample ID: C-128
Date Collected: 05/19/21 12:23
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-24
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		05/20/21 09:33	05/21/21 02:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 02:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 02:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 02:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 02:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 02:43	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*05/20/21 09:33*	*05/21/21 02:43*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/20/21 09:33*	*05/21/21 02:43*	*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		05/20/21 09:59	05/21/21 13:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 13:31	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 13:31	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*05/20/21 09:59*	*05/21/21 13:31*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/20/21 09:59*	*05/21/21 13:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		5.04		mg/Kg			05/24/21 23:47	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-2319-1
Project/Site: SD Frac 19

Client Sample ID: C-130 Lab Sample ID: 880-2319-25
Date Collected: 05/19/21 12:24 **Matrix: Solid**
Date Received: 05/20/21 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00297**		0.00200		mg/Kg		05/20/21 09:33	05/21/21 03:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 03:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 03:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/20/21 09:33	05/21/21 03:03	1
o-Xylene	**0.00339**		0.00200		mg/Kg		05/20/21 09:33	05/21/21 03:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/20/21 09:33	05/21/21 03:03	1
Total BTEX	**0.00636**		0.00401		mg/Kg		05/20/21 09:33	05/21/21 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*05/20/21 09:33*	*05/21/21 03:03*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/20/21 09:33*	*05/21/21 03:03*	*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		05/20/21 09:59	05/21/21 13:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 13:52	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 13:52	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/20/21 09:59*	*05/21/21 13:52*	*1*
o-Terphenyl	*92*		*70 - 130*	*05/20/21 09:59*	*05/21/21 13:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.9**		5.03		mg/Kg			05/24/21 23:52	1

Client Sample ID: C-131 Lab Sample ID: 880-2319-26
Date Collected: 05/19/21 12:25 **Matrix: Solid**
Date Received: 05/20/21 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:33	05/21/21 03:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:33	05/21/21 03:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:33	05/21/21 03:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/20/21 09:33	05/21/21 03:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:33	05/21/21 03:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/20/21 09:33	05/21/21 03:24	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/20/21 09:33	05/21/21 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*05/20/21 09:33*	*05/21/21 03:24*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/20/21 09:33*	*05/21/21 03:24*	*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		05/20/21 09:59	05/21/21 14:13	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-131
Date Collected: 05/19/21 12:25
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 14:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 14:13	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/20/21 09:59*	*05/21/21 14:13*	*1*
o-Terphenyl	*92*		*70 - 130*	*05/20/21 09:59*	*05/21/21 14:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.5**	**F1**	4.96		mg/Kg			05/24/21 18:49	1

Client Sample ID: C-132
Date Collected: 05/19/21 12:26
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-27
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		05/20/21 09:33	05/21/21 03:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 03:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 03:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 03:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 03:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 03:44	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/20/21 09:33*	*05/21/21 03:44*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/20/21 09:33*	*05/21/21 03:44*	*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		05/20/21 09:59	05/21/21 14:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 14:34	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 14:34	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/20/21 09:59*	*05/21/21 14:34*	*1*
o-Terphenyl	*91*		*70 - 130*	*05/20/21 09:59*	*05/21/21 14:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.6**		5.00		mg/Kg			05/24/21 19:03	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-134
Date Collected: 05/19/21 12:27
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-28
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		05/20/21 09:33	05/21/21 04:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 04:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 04:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/20/21 09:33	05/21/21 04:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 04:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/20/21 09:33	05/21/21 04:05	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/20/21 09:33	05/21/21 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*05/20/21 09:33*	*05/21/21 04:05*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/20/21 09:33*	*05/21/21 04:05*	*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		05/20/21 09:59	05/21/21 14:56	1
Diesel Range Organics (Over C10-C28)	**56.9**		50.0		mg/Kg		05/20/21 09:59	05/21/21 14:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 14:56	1
Total TPH	**56.9**		50.0		mg/Kg		05/20/21 09:59	05/21/21 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*56*	*S1-*	*70 - 130*	*05/20/21 09:59*	*05/21/21 14:56*	*1*
o-Terphenyl	*100*		*70 - 130*	*05/20/21 09:59*	*05/21/21 14:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.4**		5.00		mg/Kg			05/24/21 19:08	1

Client Sample ID: C-136
Date Collected: 05/19/21 12:28
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-29
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		05/20/21 09:33	05/21/21 10:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 10:00	1
Ethylbenzene	**0.00300**		0.00200		mg/Kg		05/20/21 09:33	05/21/21 10:00	1
m-Xylene & p-Xylene	**0.00496**		0.00401		mg/Kg		05/20/21 09:33	05/21/21 10:00	1
o-Xylene	**0.00245**		0.00200		mg/Kg		05/20/21 09:33	05/21/21 10:00	1
Xylenes, Total	**0.00741**		0.00401		mg/Kg		05/20/21 09:33	05/21/21 10:00	1
Total BTEX	**0.0104**		0.00401		mg/Kg		05/20/21 09:33	05/21/21 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*05/20/21 09:33*	*05/21/21 10:00*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/20/21 09:33*	*05/21/21 10:00*	*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		05/20/21 09:59	05/21/21 15:17	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-136

Lab Sample ID: 880-2319-29
Matrix: Solid
Date Collected: 05/19/21 12:28
Date Received: 05/20/21 08:55

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 15:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 15:17	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/20/21 09:59*	*05/21/21 15:17*	*1*
o-Terphenyl	*99*		*70 - 130*	*05/20/21 09:59*	*05/21/21 15:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.5**		4.99		mg/Kg			05/24/21 19:13	1

Client Sample ID: C-137

Lab Sample ID: 880-2319-30
Matrix: Solid
Date Collected: 05/19/21 12:29
Date Received: 05/20/21 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 10:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 10:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 10:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/20/21 09:33	05/21/21 10:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 10:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/20/21 09:33	05/21/21 10:21	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/20/21 09:33	05/21/21 10:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/20/21 09:33*	*05/21/21 10:21*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/20/21 09:33*	*05/21/21 10:21*	*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		05/20/21 09:59	05/21/21 15:38	1
Diesel Range Organics (Over C10-C28)	**86.1**		50.0		mg/Kg		05/20/21 09:59	05/21/21 15:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 15:38	1
Total TPH	**86.1**		50.0		mg/Kg		05/20/21 09:59	05/21/21 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/20/21 09:59*	*05/21/21 15:38*	*1*
o-Terphenyl	*78*		*70 - 130*	*05/20/21 09:59*	*05/21/21 15:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**601**		5.04		mg/Kg			05/24/21 19:18	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-138
Date Collected: 05/19/21 12:30
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-31
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		05/20/21 09:33	05/21/21 10:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 10:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 10:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 10:41	1
o-Xylene	**0.00272**		0.00199		mg/Kg		05/20/21 09:33	05/21/21 10:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 10:41	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*05/20/21 09:33*	*05/21/21 10:41*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/20/21 09:33*	*05/21/21 10:41*	*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		05/20/21 09:59	05/21/21 16:20	1
Diesel Range Organics (Over C10-C28)	**93.7**		49.8		mg/Kg		05/20/21 09:59	05/21/21 16:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/20/21 09:59	05/21/21 16:20	1
Total TPH	**93.7**		49.8		mg/Kg		05/20/21 09:59	05/21/21 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/20/21 09:59*	*05/21/21 16:20*	*1*
o-Terphenyl	*91*		*70 - 130*	*05/20/21 09:59*	*05/21/21 16:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**485**		5.05		mg/Kg			05/24/21 19:33	1

Client Sample ID: C-139
Date Collected: 05/19/21 12:31
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-32
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		05/20/21 09:33	05/21/21 11:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/20/21 09:33	05/21/21 11:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/20/21 09:33	05/21/21 11:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/20/21 09:33	05/21/21 11:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/20/21 09:33	05/21/21 11:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/20/21 09:33	05/21/21 11:01	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		05/20/21 09:33	05/21/21 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/20/21 09:33*	*05/21/21 11:01*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/20/21 09:33*	*05/21/21 11:01*	*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		05/20/21 09:59	05/21/21 16:41	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-2319-1
Project/Site: SD Frac 19

Client Sample ID: C-139 Lab Sample ID: 880-2319-32
Date Collected: 05/19/21 12:31 **Matrix: Solid**
Date Received: 05/20/21 08:55

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**78.5**		49.9		mg/Kg		05/20/21 09:59	05/21/21 16:41	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 16:41	1
Total TPH	**78.5**		49.9		mg/Kg		05/20/21 09:59	05/21/21 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*05/20/21 09:59*	*05/21/21 16:41*	*1*
o-Terphenyl	*82*		*70 - 130*	*05/20/21 09:59*	*05/21/21 16:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.0**		4.98		mg/Kg			05/24/21 19:37	1

Client Sample ID: C-140 Lab Sample ID: 880-2319-33
Date Collected: 05/19/21 12:32 **Matrix: Solid**
Date Received: 05/20/21 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/20/21 09:33	05/21/21 11:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/20/21 09:33	05/21/21 11:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/20/21 09:33	05/21/21 11:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/20/21 09:33	05/21/21 11:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/20/21 09:33	05/21/21 11:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/20/21 09:33	05/21/21 11:22	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		05/20/21 09:33	05/21/21 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/20/21 09:33*	*05/21/21 11:22*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/20/21 09:33*	*05/21/21 11:22*	*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		05/20/21 09:59	05/21/21 17:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 17:03	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 17:03	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*05/20/21 09:59*	*05/21/21 17:03*	*1*
o-Terphenyl	*95*		*70 - 130*	*05/20/21 09:59*	*05/21/21 17:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.2**		4.97		mg/Kg			05/24/21 19:42	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-141
Date Collected: 05/19/21 12:33
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-34
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		05/20/21 09:33	05/21/21 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 11:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/20/21 09:33	05/21/21 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 11:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/20/21 09:33	05/21/21 11:42	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/20/21 09:33	05/21/21 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/20/21 09:33*	*05/21/21 11:42*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/20/21 09:33*	*05/21/21 11:42*	*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		05/20/21 09:59	05/21/21 17:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 17:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 17:24	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/20/21 09:59*	*05/21/21 17:24*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/20/21 09:59*	*05/21/21 17:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.3**		4.99		mg/Kg			05/24/21 19:47	1

Client Sample ID: C-156
Date Collected: 05/19/21 12:34
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-35
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		05/20/21 09:33	05/21/21 12:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 12:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 12:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 12:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 12:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 12:03	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/20/21 09:33*	*05/21/21 12:03*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/20/21 09:33*	*05/21/21 12:03*	*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		05/20/21 09:59	05/21/21 17:45	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-2319-1
Project/Site: SD Frac 19

Client Sample ID: C-156 Lab Sample ID: 880-2319-35
Date Collected: 05/19/21 12:34 **Matrix: Solid**
Date Received: 05/20/21 08:55

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 17:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 17:45	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/20/21 09:59*	*05/21/21 17:45*	*1*
o-Terphenyl	*91*		*70 - 130*	*05/20/21 09:59*	*05/21/21 17:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.6**		5.02		mg/Kg			05/24/21 19:52	1

Client Sample ID: C-157 Lab Sample ID: 880-2319-36
Date Collected: 05/19/21 12:35 **Matrix: Solid**
Date Received: 05/20/21 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:33	05/21/21 12:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:33	05/21/21 12:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:33	05/21/21 12:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/20/21 09:33	05/21/21 12:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:33	05/21/21 12:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/20/21 09:33	05/21/21 12:23	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/20/21 09:33	05/21/21 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/20/21 09:33*	*05/21/21 12:23*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/20/21 09:33*	*05/21/21 12:23*	*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		05/20/21 09:59	05/21/21 18:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 18:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 18:06	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/20/21 09:59*	*05/21/21 18:06*	*1*
o-Terphenyl	*100*		*70 - 130*	*05/20/21 09:59*	*05/21/21 18:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.2**	**F1**	5.00		mg/Kg			05/24/21 19:57	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-158
Date Collected: 05/19/21 12:36
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-37
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		05/20/21 09:33	05/21/21 12:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:33	05/21/21 12:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:33	05/21/21 12:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/20/21 09:33	05/21/21 12:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/20/21 09:33	05/21/21 12:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/20/21 09:33	05/21/21 12:43	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/20/21 09:33	05/21/21 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/20/21 09:33*	*05/21/21 12:43*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/20/21 09:33*	*05/21/21 12:43*	*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		05/20/21 09:59	05/21/21 18:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 18:27	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 18:27	1
Total TPH	<49.9	U	49.9		mg/Kg		05/20/21 09:59	05/21/21 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*05/20/21 09:59*	*05/21/21 18:27*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/20/21 09:59*	*05/21/21 18:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.0**		5.04		mg/Kg			05/24/21 20:12	1

Client Sample ID: C-201
Date Collected: 05/19/21 12:37
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-38
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		05/20/21 09:33	05/21/21 13:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 13:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 13:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 13:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/21 09:33	05/21/21 13:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 13:04	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/20/21 09:33	05/21/21 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/20/21 09:33*	*05/21/21 13:04*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/20/21 09:33*	*05/21/21 13:04*	*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		05/20/21 09:59	05/21/21 18:48	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-2319-1
Project/Site: SD Frac 19

Client Sample ID: C-201 **Lab Sample ID: 880-2319-38**
Date Collected: 05/19/21 12:37 **Matrix: Solid**
Date Received: 05/20/21 08:55

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 18:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 18:48	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/20/21 09:59*	*05/21/21 18:48*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/20/21 09:59*	*05/21/21 18:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	863		5.02		mg/Kg			05/24/21 20:17	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

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)
880-2319-1	C-25	105	98
880-2319-1 MS	C-25	128	87
880-2319-1 MSD	C-25	130	83
880-2319-2	C-41	116	98
880-2319-3	C-61	114	97
880-2319-4	C-63	111	99
880-2319-5	C-65	115	95
880-2319-6	C-66	113	101
880-2319-7	C-67	112	99
880-2319-8	C-68	114	96
880-2319-9	C-69	138 S1+	88
880-2319-10	C-70	138 S1+	90
880-2319-11	C-71	137 S1+	92
880-2319-12	C-72	134 S1+	88
880-2319-13	C-76	105	88
880-2319-14	C-77	130	90
880-2319-15	C-78	130	91
880-2319-16	C-82	117	96
880-2319-17	C-83	115	95
880-2319-18	C-84	112	87
880-2319-19	C-85	142 S1+	81
880-2319-19 MS	C-85	105	95
880-2319-19 MSD	C-85	109	96
880-2319-20	C-103	96	78
880-2319-21	C-104	121	95
880-2319-22	C-105	115	95
880-2319-23	C-110	113	99
880-2319-24	C-128	156 S1+	95
880-2319-25	C-130	136 S1+	89
880-2319-26	C-131	135 S1+	88
880-2319-27	C-132	128	89
880-2319-28	C-134	122	94
880-2319-29	C-136	151 S1+	92
880-2319-30	C-137	134 S1+	94
880-2319-31	C-138	137 S1+	92
880-2319-32	C-139	110	95
880-2319-33	C-140	128	93
880-2319-34	C-141	109	97
880-2319-35	C-156	114	94
880-2319-36	C-157	102	100
880-2319-37	C-158	116	95
880-2319-38	C-201	125	88
LCS 880-3261/1-A	Lab Control Sample	109	94
LCS 880-3263/1-A	Lab Control Sample	101	95
LCSD 880-3261/2-A	Lab Control Sample Dup	102	92
LCSD 880-3263/2-A	Lab Control Sample Dup	102	96
MB 880-3261/5-A	Method Blank	106	93
MB 880-3263/5-A	Method Blank	109	90

Surrogate Legend

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-2319-1
Project/Site: SD Frac 19

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)										
880-2319-1	C-25	107	106										
880-2319-1 MS	C-25	106	92										
880-2319-1 MSD	C-25	106	92										
880-2319-2	C-41	122	124										
880-2319-3	C-61	106	105										
880-2319-4	C-63	105	105										
880-2319-5	C-65	111	112										
880-2319-6	C-66	104	104										
880-2319-7	C-67	106	103										
880-2319-8	C-68	102	104										
880-2319-9	C-69	100	99										
880-2319-10	C-70	110	108										
880-2319-11	C-71	105	104										
880-2319-12	C-72	109	108										
880-2319-13	C-76	107	106										
880-2319-14	C-77	105	107										
880-2319-15	C-78	108	108										
880-2319-16	C-82	108	107										
880-2319-17	C-83	121	122										
880-2319-18	C-84	117	120										
880-2319-19	C-85	120	121										
880-2319-20	C-103	113	116										
880-2319-21	C-104	108	107										
880-2319-21 MS	C-104	92	86										
880-2319-21 MSD	C-104	103	94										
880-2319-22	C-105	102	100										
880-2319-23	C-110	98	97										
880-2319-24	C-128	95	90										
880-2319-25	C-130	94	92										
880-2319-26	C-131	94	92										
880-2319-27	C-132	93	91										
880-2319-28	C-134	56 S1-	100										
880-2319-29	C-136	102	99										
880-2319-30	C-137	81	78										
880-2319-31	C-138	97	91										
880-2319-32	C-139	85	82										
880-2319-33	C-140	99	95										
880-2319-34	C-141	87	86										
880-2319-35	C-156	93	91										
880-2319-36	C-157	105	100										
880-2319-37	C-158	90	90										
880-2319-38	C-201	91	86										
LCS 880-3264/2-A	Lab Control Sample	133 S1+	118										
LCS 880-3271/2-A	Lab Control Sample	107	98										
LCSD 880-3264/3-A	Lab Control Sample Dup	111	101										
LCSD 880-3271/3-A	Lab Control Sample Dup	102	95										
MB 880-3264/1-A	Method Blank	106	107										

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-2319-1
Project/Site: SD Frac 19

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
MB 880-3271/1-A	Method Blank	95	96								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3261/5-A
Matrix: Solid
Analysis Batch: 3260

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3261

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 12:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 12:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 12:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/20/21 09:19	05/20/21 12:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:19	05/20/21 12:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/20/21 09:19	05/20/21 12:47	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/20/21 09:19	05/20/21 12:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/20/21 09:19*	*05/20/21 12:47*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/20/21 09:19*	*05/20/21 12:47*	*1*

Lab Sample ID: LCS 880-3261/1-A
Matrix: Solid
Analysis Batch: 3260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3261

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09645		mg/Kg		96	70 - 130		
Toluene			0.100	0.1202		mg/Kg		120	70 - 130		
Ethylbenzene			0.100	0.1225		mg/Kg		123	70 - 130		
m-Xylene & p-Xylene			0.200	0.2573		mg/Kg		129	70 - 130		
o-Xylene			0.100	0.1264		mg/Kg		126	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-3261/2-A
Matrix: Solid
Analysis Batch: 3260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3261

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09562		mg/Kg		96	70 - 130	1	35
Toluene			0.100	0.1136		mg/Kg		114	70 - 130	6	35
Ethylbenzene			0.100	0.1172		mg/Kg		117	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2410		mg/Kg		120	70 - 130	7	35
o-Xylene			0.100	0.1169		mg/Kg		117	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-2319-1 MS
Matrix: Solid
Analysis Batch: 3260

Client Sample ID: C-25
Prep Type: Total/NA
Prep Batch: 3261

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U F1	0.100	0.04938	F1	mg/Kg		49	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-2319-1
Project/Site: SD Frac 19

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

Lab Sample ID: 880-2319-1 MS — **Client Sample ID: C-25**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 3260 — **Prep Batch: 3261**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00199	U F1	0.100	0.07366		mg/Kg		73	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.08521		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1775		mg/Kg		88	70 - 130
o-Xylene	<0.00199	U	0.100	0.09439		mg/Kg		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 880-2319-1 MSD — **Client Sample ID: C-25**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 3260 — **Prep Batch: 3261**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.101	0.04596	F1	mg/Kg		45	70 - 130	7	35
Toluene	<0.00199	U F1	0.101	0.06592	F1	mg/Kg		65	70 - 130	11	35
Ethylbenzene	<0.00199	U	0.101	0.07638		mg/Kg		76	70 - 130	11	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1569		mg/Kg		78	70 - 130	12	35
o-Xylene	<0.00199	U	0.101	0.08632		mg/Kg		85	70 - 130	9	35

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

Lab Sample ID: MB 880-3263/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 3260 — **Prep Batch: 3263**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 00:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 00:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 00:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/20/21 09:33	05/21/21 00:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/21 09:33	05/21/21 00:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/20/21 09:33	05/21/21 00:32	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/20/21 09:33	05/21/21 00:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/20/21 09:33*	*05/21/21 00:32*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/20/21 09:33*	*05/21/21 00:32*	*1*

Lab Sample ID: LCS 880-3263/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 3260 — **Prep Batch: 3263**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.08828		mg/Kg		88	70 - 130
Toluene			0.100	0.1038		mg/Kg		104	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

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

Lab Sample ID: LCS 880-3263/1-A
Matrix: Solid
Analysis Batch: 3260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3263

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylbenzene			0.100	0.1039		mg/Kg		104	70 - 130		
m-Xylene & p-Xylene			0.200	0.2127		mg/Kg		106	70 - 130		
o-Xylene			0.100	0.1061		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-3263/2-A
Matrix: Solid
Analysis Batch: 3260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3263

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09498		mg/Kg		95	70 - 130	7	35
Toluene			0.100	0.1104		mg/Kg		110	70 - 130	6	35
Ethylbenzene			0.100	0.1107		mg/Kg		111	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2279		mg/Kg		114	70 - 130	7	35
o-Xylene			0.100	0.1132		mg/Kg		113	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-2319-19 MS
Matrix: Solid
Analysis Batch: 3260

Client Sample ID: C-85
Prep Type: Total/NA
Prep Batch: 3263

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00202	U F1	0.100	0.05125	F1	mg/Kg		51	70 - 130		
Toluene	<0.00202	U F1	0.100	0.06350	F1	mg/Kg		63	70 - 130		
Ethylbenzene	<0.00202	U F1	0.100	0.06878	F1	mg/Kg		69	70 - 130		
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.1391	F1	mg/Kg		69	70 - 130		
o-Xylene	<0.00202	U F1	0.100	0.07407		mg/Kg		74	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-2319-19 MSD
Matrix: Solid
Analysis Batch: 3260

Client Sample ID: C-85
Prep Type: Total/NA
Prep Batch: 3263

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.0990	0.03942	F1	mg/Kg		40	70 - 130	26	35
Toluene	<0.00202	U F1	0.0990	0.04940	F1	mg/Kg		50	70 - 130	25	35
Ethylbenzene	<0.00202	U F1	0.0990	0.05510	F1	mg/Kg		56	70 - 130	22	35
m-Xylene & p-Xylene	<0.00403	U F1	0.198	0.1138	F1	mg/Kg		57	70 - 130	20	35
o-Xylene	<0.00202	U F1	0.0990	0.06176	F1	mg/Kg		62	70 - 130	18	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-3264/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 3310 — **Prep Batch: 3264**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 10:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 10:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 10:42	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:41	05/21/21 10:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	05/20/21 09:41	05/21/21 10:42	1
o-Terphenyl	107		70 - 130	05/20/21 09:41	05/21/21 10:42	1

Lab Sample ID: LCS 880-3264/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 3310 — **Prep Batch: 3264**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1061		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1375	*+	mg/Kg		137	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-3264/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 3310 — **Prep Batch: 3264**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	910.8		mg/Kg		91	70 - 130	15	20
Diesel Range Organics (Over C10-C28)			1000	1152		mg/Kg		115	70 - 130	18	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	101		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

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

Lab Sample ID: 880-2319-1 MS
Matrix: Solid
Analysis Batch: 3310

Client Sample ID: C-25
Prep Type: Total/NA
Prep Batch: 3264

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	996	869.6		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *+	996	1077		mg/Kg		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 880-2319-1 MSD
Matrix: Solid
Analysis Batch: 3310

Client Sample ID: C-25
Prep Type: Total/NA
Prep Batch: 3264

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	996	860.4		mg/Kg		86	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+	996	1083		mg/Kg		109	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: MB 880-3271/1-A
Matrix: Solid
Analysis Batch: 3308

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3271

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 10:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 10:42	1
OIl Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 10:42	1
Total TPH	<50.0	U	50.0		mg/Kg		05/20/21 09:59	05/21/21 10:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*05/20/21 09:59*	*05/21/21 10:42*	*1*
o-Terphenyl	*96*		*70 - 130*	*05/20/21 09:59*	*05/21/21 10:42*	*1*

Lab Sample ID: LCS 880-3271/2-A
Matrix: Solid
Analysis Batch: 3308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3271

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1007		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1103		mg/Kg		110	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

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

Lab Sample ID: LCS 880-3271/2-A
Matrix: Solid
Analysis Batch: 3308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3271

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: LCSD 880-3271/3-A
Matrix: Solid
Analysis Batch: 3308

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3271

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	9	20
Diesel Range Organics (Over C10-C28)			1000	1080		mg/Kg		108	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: 880-2319-21 MS
Matrix: Solid
Analysis Batch: 3308

Client Sample ID: C-104
Prep Type: Total/NA
Prep Batch: 3271

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	996	809.3		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	973.3		mg/Kg		98	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*86*		*70 - 130*

Lab Sample ID: 880-2319-21 MSD
Matrix: Solid
Analysis Batch: 3308

Client Sample ID: C-104
Prep Type: Total/NA
Prep Batch: 3271

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	996	973.9		mg/Kg		98	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1073		mg/Kg		108	70 - 130	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3282/1-A
Matrix: Solid
Analysis Batch: 3335

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			05/24/21 18:34	1

Lab Sample ID: LCS 880-3282/2-A
Matrix: Solid
Analysis Batch: 3335

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	274.0		mg/Kg		110	90 - 110		

Lab Sample ID: LCSD 880-3282/3-A
Matrix: Solid
Analysis Batch: 3335

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	274.1		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-2319-26 MS
Matrix: Solid
Analysis Batch: 3335

Client Sample ID: C-131
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	20.5	F1	248	308.1	F1	mg/Kg		116	90 - 110		

Lab Sample ID: 880-2319-26 MSD
Matrix: Solid
Analysis Batch: 3335

Client Sample ID: C-131
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	20.5	F1	248	307.6	F1	mg/Kg		116	90 - 110	0	20

Lab Sample ID: 880-2319-36 MS
Matrix: Solid
Analysis Batch: 3335

Client Sample ID: C-157
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	62.2	F1	250	199.4	F1	mg/Kg		55	90 - 110		

Lab Sample ID: 880-2319-36 MSD
Matrix: Solid
Analysis Batch: 3335

Client Sample ID: C-157
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	62.2	F1	250	204.1	F1	mg/Kg		57	90 - 110	2	20

Lab Sample ID: MB 880-3286/1-A
Matrix: Solid
Analysis Batch: 3340

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			05/25/21 21:12	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-3286/2-A
Matrix: Solid
Analysis Batch: 3340

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	243.9		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-3286/3-A
Matrix: Solid
Analysis Batch: 3340

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	243.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-2319-1 MS
Matrix: Solid
Analysis Batch: 3340

Client Sample ID: C-25
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	11.3		250	270.1		mg/Kg		104	90 - 110		

Lab Sample ID: 880-2319-1 MSD
Matrix: Solid
Analysis Batch: 3340

Client Sample ID: C-25
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	11.3		250	263.9		mg/Kg		101	90 - 110	2	20

Lab Sample ID: MB 880-3287/1-A
Matrix: Solid
Analysis Batch: 3341

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			05/24/21 21:25	1

Lab Sample ID: LCS 880-3287/2-A
Matrix: Solid
Analysis Batch: 3341

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	259.9		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-3287/3-A
Matrix: Solid
Analysis Batch: 3341

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	259.1		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-2319-6 MS
Matrix: Solid
Analysis Batch: 3341

Client Sample ID: C-66
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	412	F1	248	676.8		mg/Kg		107	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-2319-6 MSD
Matrix: Solid
Analysis Batch: 3341

Client Sample ID: C-66
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	412	F1	248	693.2	F1	mg/Kg		113	90 - 110	2	20

Lab Sample ID: 880-2319-16 MS
Matrix: Solid
Analysis Batch: 3341

Client Sample ID: C-82
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	24.8	F1	248	320.9	F1	mg/Kg		120	90 - 110

Lab Sample ID: 880-2319-16 MSD
Matrix: Solid
Analysis Batch: 3341

Client Sample ID: C-82
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	24.8	F1	248	320.9	F1	mg/Kg		120	90 - 110	0	20

Lab Sample ID: MB 880-3490/1-A
Matrix: Solid
Analysis Batch: 3491

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			05/25/21 22:10	1

Lab Sample ID: LCS 880-3490/2-A
Matrix: Solid
Analysis Batch: 3491

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			250	253.7		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-3490/3-A
Matrix: Solid
Analysis Batch: 3491

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	253.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-2319-11 MS
Matrix: Solid
Analysis Batch: 3491

Client Sample ID: C-71
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	943	F1	248	1155	F1	mg/Kg		86	90 - 110

Lab Sample ID: 880-2319-11 MSD
Matrix: Solid
Analysis Batch: 3491

Client Sample ID: C-71
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	943	F1	248	1153	F1	mg/Kg		85	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

GC VOA

Analysis Batch: 3260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-1	C-25	Total/NA	Solid	8021B	3261
880-2319-2	C-41	Total/NA	Solid	8021B	3261
880-2319-3	C-61	Total/NA	Solid	8021B	3261
880-2319-4	C-63	Total/NA	Solid	8021B	3261
880-2319-5	C-65	Total/NA	Solid	8021B	3261
880-2319-6	C-66	Total/NA	Solid	8021B	3261
880-2319-7	C-67	Total/NA	Solid	8021B	3261
880-2319-8	C-68	Total/NA	Solid	8021B	3261
880-2319-9	C-69	Total/NA	Solid	8021B	3261
880-2319-10	C-70	Total/NA	Solid	8021B	3261
880-2319-11	C-71	Total/NA	Solid	8021B	3261
880-2319-12	C-72	Total/NA	Solid	8021B	3261
880-2319-13	C-76	Total/NA	Solid	8021B	3261
880-2319-14	C-77	Total/NA	Solid	8021B	3261
880-2319-15	C-78	Total/NA	Solid	8021B	3261
880-2319-16	C-82	Total/NA	Solid	8021B	3261
880-2319-17	C-83	Total/NA	Solid	8021B	3261
880-2319-18	C-84	Total/NA	Solid	8021B	3261
880-2319-19	C-85	Total/NA	Solid	8021B	3263
880-2319-20	C-103	Total/NA	Solid	8021B	3263
880-2319-21	C-104	Total/NA	Solid	8021B	3263
880-2319-22	C-105	Total/NA	Solid	8021B	3263
880-2319-23	C-110	Total/NA	Solid	8021B	3263
880-2319-24	C-128	Total/NA	Solid	8021B	3263
880-2319-25	C-130	Total/NA	Solid	8021B	3263
880-2319-26	C-131	Total/NA	Solid	8021B	3263
880-2319-27	C-132	Total/NA	Solid	8021B	3263
880-2319-28	C-134	Total/NA	Solid	8021B	3263
880-2319-29	C-136	Total/NA	Solid	8021B	3263
880-2319-30	C-137	Total/NA	Solid	8021B	3263
880-2319-31	C-138	Total/NA	Solid	8021B	3263
880-2319-32	C-139	Total/NA	Solid	8021B	3263
880-2319-33	C-140	Total/NA	Solid	8021B	3263
880-2319-34	C-141	Total/NA	Solid	8021B	3263
880-2319-35	C-156	Total/NA	Solid	8021B	3263
880-2319-36	C-157	Total/NA	Solid	8021B	3263
880-2319-37	C-158	Total/NA	Solid	8021B	3263
880-2319-38	C-201	Total/NA	Solid	8021B	3263
MB 880-3261/5-A	Method Blank	Total/NA	Solid	8021B	3261
MB 880-3263/5-A	Method Blank	Total/NA	Solid	8021B	3263
LCS 880-3261/1-A	Lab Control Sample	Total/NA	Solid	8021B	3261
LCS 880-3263/1-A	Lab Control Sample	Total/NA	Solid	8021B	3263
LCSD 880-3261/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3261
LCSD 880-3263/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3263
880-2319-1 MS	C-25	Total/NA	Solid	8021B	3261
880-2319-1 MSD	C-25	Total/NA	Solid	8021B	3261
880-2319-19 MS	C-85	Total/NA	Solid	8021B	3263
880-2319-19 MSD	C-85	Total/NA	Solid	8021B	3263

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

GC VOA

Prep Batch: 3261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-1	C-25	Total/NA	Solid	5035	
880-2319-2	C-41	Total/NA	Solid	5035	
880-2319-3	C-61	Total/NA	Solid	5035	
880-2319-4	C-63	Total/NA	Solid	5035	
880-2319-5	C-65	Total/NA	Solid	5035	
880-2319-6	C-66	Total/NA	Solid	5035	
880-2319-7	C-67	Total/NA	Solid	5035	
880-2319-8	C-68	Total/NA	Solid	5035	
880-2319-9	C-69	Total/NA	Solid	5035	
880-2319-10	C-70	Total/NA	Solid	5035	
880-2319-11	C-71	Total/NA	Solid	5035	
880-2319-12	C-72	Total/NA	Solid	5035	
880-2319-13	C-76	Total/NA	Solid	5035	
880-2319-14	C-77	Total/NA	Solid	5035	
880-2319-15	C-78	Total/NA	Solid	5035	
880-2319-16	C-82	Total/NA	Solid	5035	
880-2319-17	C-83	Total/NA	Solid	5035	
880-2319-18	C-84	Total/NA	Solid	5035	
MB 880-3261/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3261/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3261/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-2319-1 MS	C-25	Total/NA	Solid	5035	
880-2319-1 MSD	C-25	Total/NA	Solid	5035	

Prep Batch: 3263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-19	C-85	Total/NA	Solid	5035	
880-2319-20	C-103	Total/NA	Solid	5035	
880-2319-21	C-104	Total/NA	Solid	5035	
880-2319-22	C-105	Total/NA	Solid	5035	
880-2319-23	C-110	Total/NA	Solid	5035	
880-2319-24	C-128	Total/NA	Solid	5035	
880-2319-25	C-130	Total/NA	Solid	5035	
880-2319-26	C-131	Total/NA	Solid	5035	
880-2319-27	C-132	Total/NA	Solid	5035	
880-2319-28	C-134	Total/NA	Solid	5035	
880-2319-29	C-136	Total/NA	Solid	5035	
880-2319-30	C-137	Total/NA	Solid	5035	
880-2319-31	C-138	Total/NA	Solid	5035	
880-2319-32	C-139	Total/NA	Solid	5035	
880-2319-33	C-140	Total/NA	Solid	5035	
880-2319-34	C-141	Total/NA	Solid	5035	
880-2319-35	C-156	Total/NA	Solid	5035	
880-2319-36	C-157	Total/NA	Solid	5035	
880-2319-37	C-158	Total/NA	Solid	5035	
880-2319-38	C-201	Total/NA	Solid	5035	
MB 880-3263/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3263/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3263/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-2319-19 MS	C-85	Total/NA	Solid	5035	
880-2319-19 MSD	C-85	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

GC Semi VOA

Prep Batch: 3264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-1	C-25	Total/NA	Solid	8015NM Prep	
880-2319-2	C-41	Total/NA	Solid	8015NM Prep	
880-2319-3	C-61	Total/NA	Solid	8015NM Prep	
880-2319-4	C-63	Total/NA	Solid	8015NM Prep	
880-2319-5	C-65	Total/NA	Solid	8015NM Prep	
880-2319-6	C-66	Total/NA	Solid	8015NM Prep	
880-2319-7	C-67	Total/NA	Solid	8015NM Prep	
880-2319-8	C-68	Total/NA	Solid	8015NM Prep	
880-2319-9	C-69	Total/NA	Solid	8015NM Prep	
880-2319-10	C-70	Total/NA	Solid	8015NM Prep	
880-2319-11	C-71	Total/NA	Solid	8015NM Prep	
880-2319-12	C-72	Total/NA	Solid	8015NM Prep	
880-2319-13	C-76	Total/NA	Solid	8015NM Prep	
880-2319-14	C-77	Total/NA	Solid	8015NM Prep	
880-2319-15	C-78	Total/NA	Solid	8015NM Prep	
880-2319-16	C-82	Total/NA	Solid	8015NM Prep	
880-2319-17	C-83	Total/NA	Solid	8015NM Prep	
880-2319-18	C-84	Total/NA	Solid	8015NM Prep	
880-2319-19	C-85	Total/NA	Solid	8015NM Prep	
880-2319-20	C-103	Total/NA	Solid	8015NM Prep	
MB 880-3264/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3264/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3264/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-2319-1 MS	C-25	Total/NA	Solid	8015NM Prep	
880-2319-1 MSD	C-25	Total/NA	Solid	8015NM Prep	

Prep Batch: 3271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-21	C-104	Total/NA	Solid	8015NM Prep	
880-2319-22	C-105	Total/NA	Solid	8015NM Prep	
880-2319-23	C-110	Total/NA	Solid	8015NM Prep	
880-2319-24	C-128	Total/NA	Solid	8015NM Prep	
880-2319-25	C-130	Total/NA	Solid	8015NM Prep	
880-2319-26	C-131	Total/NA	Solid	8015NM Prep	
880-2319-27	C-132	Total/NA	Solid	8015NM Prep	
880-2319-28	C-134	Total/NA	Solid	8015NM Prep	
880-2319-29	C-136	Total/NA	Solid	8015NM Prep	
880-2319-30	C-137	Total/NA	Solid	8015NM Prep	
880-2319-31	C-138	Total/NA	Solid	8015NM Prep	
880-2319-32	C-139	Total/NA	Solid	8015NM Prep	
880-2319-33	C-140	Total/NA	Solid	8015NM Prep	
880-2319-34	C-141	Total/NA	Solid	8015NM Prep	
880-2319-35	C-156	Total/NA	Solid	8015NM Prep	
880-2319-36	C-157	Total/NA	Solid	8015NM Prep	
880-2319-37	C-158	Total/NA	Solid	8015NM Prep	
880-2319-38	C-201	Total/NA	Solid	8015NM Prep	
MB 880-3271/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3271/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3271/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-2319-21 MS	C-104	Total/NA	Solid	8015NM Prep	
880-2319-21 MSD	C-104	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

GC Semi VOA

Analysis Batch: 3308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-21	C-104	Total/NA	Solid	8015B NM	3271
880-2319-22	C-105	Total/NA	Solid	8015B NM	3271
880-2319-23	C-110	Total/NA	Solid	8015B NM	3271
880-2319-24	C-128	Total/NA	Solid	8015B NM	3271
880-2319-25	C-130	Total/NA	Solid	8015B NM	3271
880-2319-26	C-131	Total/NA	Solid	8015B NM	3271
880-2319-27	C-132	Total/NA	Solid	8015B NM	3271
880-2319-28	C-134	Total/NA	Solid	8015B NM	3271
880-2319-29	C-136	Total/NA	Solid	8015B NM	3271
880-2319-30	C-137	Total/NA	Solid	8015B NM	3271
880-2319-31	C-138	Total/NA	Solid	8015B NM	3271
880-2319-32	C-139	Total/NA	Solid	8015B NM	3271
880-2319-33	C-140	Total/NA	Solid	8015B NM	3271
880-2319-34	C-141	Total/NA	Solid	8015B NM	3271
880-2319-35	C-156	Total/NA	Solid	8015B NM	3271
880-2319-36	C-157	Total/NA	Solid	8015B NM	3271
880-2319-37	C-158	Total/NA	Solid	8015B NM	3271
880-2319-38	C-201	Total/NA	Solid	8015B NM	3271
MB 880-3271/1-A	Method Blank	Total/NA	Solid	8015B NM	3271
LCS 880-3271/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3271
LCSD 880-3271/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3271
880-2319-21 MS	C-104	Total/NA	Solid	8015B NM	3271
880-2319-21 MSD	C-104	Total/NA	Solid	8015B NM	3271

Analysis Batch: 3310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-1	C-25	Total/NA	Solid	8015B NM	3264
880-2319-2	C-41	Total/NA	Solid	8015B NM	3264
880-2319-3	C-61	Total/NA	Solid	8015B NM	3264
880-2319-4	C-63	Total/NA	Solid	8015B NM	3264
880-2319-5	C-65	Total/NA	Solid	8015B NM	3264
880-2319-6	C-66	Total/NA	Solid	8015B NM	3264
880-2319-7	C-67	Total/NA	Solid	8015B NM	3264
880-2319-8	C-68	Total/NA	Solid	8015B NM	3264
880-2319-9	C-69	Total/NA	Solid	8015B NM	3264
880-2319-10	C-70	Total/NA	Solid	8015B NM	3264
880-2319-11	C-71	Total/NA	Solid	8015B NM	3264
880-2319-12	C-72	Total/NA	Solid	8015B NM	3264
880-2319-13	C-76	Total/NA	Solid	8015B NM	3264
880-2319-14	C-77	Total/NA	Solid	8015B NM	3264
880-2319-15	C-78	Total/NA	Solid	8015B NM	3264
880-2319-16	C-82	Total/NA	Solid	8015B NM	3264
880-2319-17	C-83	Total/NA	Solid	8015B NM	3264
880-2319-18	C-84	Total/NA	Solid	8015B NM	3264
880-2319-19	C-85	Total/NA	Solid	8015B NM	3264
880-2319-20	C-103	Total/NA	Solid	8015B NM	3264
MB 880-3264/1-A	Method Blank	Total/NA	Solid	8015B NM	3264
LCS 880-3264/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3264
LCSD 880-3264/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3264
880-2319-1 MS	C-25	Total/NA	Solid	8015B NM	3264
880-2319-1 MSD	C-25	Total/NA	Solid	8015B NM	3264

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

HPLC/IC

Leach Batch: 3282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-26	C-131	Soluble	Solid	DI Leach	
880-2319-27	C-132	Soluble	Solid	DI Leach	
880-2319-28	C-134	Soluble	Solid	DI Leach	
880-2319-29	C-136	Soluble	Solid	DI Leach	
880-2319-30	C-137	Soluble	Solid	DI Leach	
880-2319-31	C-138	Soluble	Solid	DI Leach	
880-2319-32	C-139	Soluble	Solid	DI Leach	
880-2319-33	C-140	Soluble	Solid	DI Leach	
880-2319-34	C-141	Soluble	Solid	DI Leach	
880-2319-35	C-156	Soluble	Solid	DI Leach	
880-2319-36	C-157	Soluble	Solid	DI Leach	
880-2319-37	C-158	Soluble	Solid	DI Leach	
880-2319-38	C-201	Soluble	Solid	DI Leach	
MB 880-3282/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3282/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3282/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2319-26 MS	C-131	Soluble	Solid	DI Leach	
880-2319-26 MSD	C-131	Soluble	Solid	DI Leach	
880-2319-36 MS	C-157	Soluble	Solid	DI Leach	
880-2319-36 MSD	C-157	Soluble	Solid	DI Leach	

Leach Batch: 3286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-1	C-25	Soluble	Solid	DI Leach	
880-2319-2	C-41	Soluble	Solid	DI Leach	
880-2319-3	C-61	Soluble	Solid	DI Leach	
880-2319-4	C-63	Soluble	Solid	DI Leach	
880-2319-5	C-65	Soluble	Solid	DI Leach	
MB 880-3286/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3286/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3286/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2319-1 MS	C-25	Soluble	Solid	DI Leach	
880-2319-1 MSD	C-25	Soluble	Solid	DI Leach	

Leach Batch: 3287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-6	C-66	Soluble	Solid	DI Leach	
880-2319-7	C-67	Soluble	Solid	DI Leach	
880-2319-8	C-68	Soluble	Solid	DI Leach	
880-2319-9	C-69	Soluble	Solid	DI Leach	
880-2319-10	C-70	Soluble	Solid	DI Leach	
880-2319-12	C-72	Soluble	Solid	DI Leach	
880-2319-13	C-76	Soluble	Solid	DI Leach	
880-2319-14	C-77	Soluble	Solid	DI Leach	
880-2319-15	C-78	Soluble	Solid	DI Leach	
880-2319-16	C-82	Soluble	Solid	DI Leach	
880-2319-17	C-83	Soluble	Solid	DI Leach	
880-2319-18	C-84	Soluble	Solid	DI Leach	
880-2319-19	C-85	Soluble	Solid	DI Leach	
880-2319-20	C-103	Soluble	Solid	DI Leach	
880-2319-21	C-104	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-2319-1
Project/Site: SD Frac 19

HPLC/IC (Continued)

Leach Batch: 3287 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-22	C-105	Soluble	Solid	DI Leach	
880-2319-23	C-110	Soluble	Solid	DI Leach	
880-2319-24	C-128	Soluble	Solid	DI Leach	
880-2319-25	C-130	Soluble	Solid	DI Leach	
MB 880-3287/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3287/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3287/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2319-6 MS	C-66	Soluble	Solid	DI Leach	
880-2319-6 MSD	C-66	Soluble	Solid	DI Leach	
880-2319-16 MS	C-82	Soluble	Solid	DI Leach	
880-2319-16 MSD	C-82	Soluble	Solid	DI Leach	

Analysis Batch: 3335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-26	C-131	Soluble	Solid	300.0	3282
880-2319-27	C-132	Soluble	Solid	300.0	3282
880-2319-28	C-134	Soluble	Solid	300.0	3282
880-2319-29	C-136	Soluble	Solid	300.0	3282
880-2319-30	C-137	Soluble	Solid	300.0	3282
880-2319-31	C-138	Soluble	Solid	300.0	3282
880-2319-32	C-139	Soluble	Solid	300.0	3282
880-2319-33	C-140	Soluble	Solid	300.0	3282
880-2319-34	C-141	Soluble	Solid	300.0	3282
880-2319-35	C-156	Soluble	Solid	300.0	3282
880-2319-36	C-157	Soluble	Solid	300.0	3282
880-2319-37	C-158	Soluble	Solid	300.0	3282
880-2319-38	C-201	Soluble	Solid	300.0	3282
MB 880-3282/1-A	Method Blank	Soluble	Solid	300.0	3282
LCS 880-3282/2-A	Lab Control Sample	Soluble	Solid	300.0	3282
LCSD 880-3282/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3282
880-2319-26 MS	C-131	Soluble	Solid	300.0	3282
880-2319-26 MSD	C-131	Soluble	Solid	300.0	3282
880-2319-36 MS	C-157	Soluble	Solid	300.0	3282
880-2319-36 MSD	C-157	Soluble	Solid	300.0	3282

Analysis Batch: 3340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-1	C-25	Soluble	Solid	300.0	3286
880-2319-2	C-41	Soluble	Solid	300.0	3286
880-2319-3	C-61	Soluble	Solid	300.0	3286
880-2319-4	C-63	Soluble	Solid	300.0	3286
880-2319-5	C-65	Soluble	Solid	300.0	3286
MB 880-3286/1-A	Method Blank	Soluble	Solid	300.0	3286
LCS 880-3286/2-A	Lab Control Sample	Soluble	Solid	300.0	3286
LCSD 880-3286/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3286
880-2319-1 MS	C-25	Soluble	Solid	300.0	3286
880-2319-1 MSD	C-25	Soluble	Solid	300.0	3286

Analysis Batch: 3341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-6	C-66	Soluble	Solid	300.0	3287

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

HPLC/IC (Continued)

Analysis Batch: 3341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-7	C-67	Soluble	Solid	300.0	3287
880-2319-8	C-68	Soluble	Solid	300.0	3287
880-2319-9	C-69	Soluble	Solid	300.0	3287
880-2319-10	C-70	Soluble	Solid	300.0	3287
880-2319-12	C-72	Soluble	Solid	300.0	3287
880-2319-13	C-76	Soluble	Solid	300.0	3287
880-2319-14	C-77	Soluble	Solid	300.0	3287
880-2319-15	C-78	Soluble	Solid	300.0	3287
880-2319-16	C-82	Soluble	Solid	300.0	3287
880-2319-17	C-83	Soluble	Solid	300.0	3287
880-2319-18	C-84	Soluble	Solid	300.0	3287
880-2319-19	C-85	Soluble	Solid	300.0	3287
880-2319-20	C-103	Soluble	Solid	300.0	3287
880-2319-21	C-104	Soluble	Solid	300.0	3287
880-2319-22	C-105	Soluble	Solid	300.0	3287
880-2319-23	C-110	Soluble	Solid	300.0	3287
880-2319-24	C-128	Soluble	Solid	300.0	3287
880-2319-25	C-130	Soluble	Solid	300.0	3287
MB 880-3287/1-A	Method Blank	Soluble	Solid	300.0	3287
LCS 880-3287/2-A	Lab Control Sample	Soluble	Solid	300.0	3287
LCSD 880-3287/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3287
880-2319-6 MS	C-66	Soluble	Solid	300.0	3287
880-2319-6 MSD	C-66	Soluble	Solid	300.0	3287
880-2319-16 MS	C-82	Soluble	Solid	300.0	3287
880-2319-16 MSD	C-82	Soluble	Solid	300.0	3287

Leach Batch: 3490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-11	C-71	Soluble	Solid	DI Leach	
MB 880-3490/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3490/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3490/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2319-11 MS	C-71	Soluble	Solid	DI Leach	
880-2319-11 MSD	C-71	Soluble	Solid	DI Leach	

Analysis Batch: 3491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2319-11	C-71	Soluble	Solid	300.0	3490
MB 880-3490/1-A	Method Blank	Soluble	Solid	300.0	3490
LCS 880-3490/2-A	Lab Control Sample	Soluble	Solid	300.0	3490
LCSD 880-3490/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3490
880-2319-11 MS	C-71	Soluble	Solid	300.0	3490
880-2319-11 MSD	C-71	Soluble	Solid	300.0	3490

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-25
Date Collected: 05/19/21 12:00
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-1
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	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 13:16	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 11:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3286	05/20/21 13:24	SC	XEN MID
Soluble	Analysis	300.0		1			3340	05/25/21 21:28	CH	XEN MID

Client Sample ID: C-41
Date Collected: 05/19/21 12:01
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-2
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	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 13:37	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 12:49	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3286	05/20/21 13:24	SC	XEN MID
Soluble	Analysis	300.0		1			3340	05/25/21 21:43	CH	XEN MID

Client Sample ID: C-61
Date Collected: 05/19/21 12:02
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-3
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	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 13:57	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 13:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3286	05/20/21 13:24	SC	XEN MID
Soluble	Analysis	300.0		1			3340	05/25/21 21:49	CH	XEN MID

Client Sample ID: C-63
Date Collected: 05/19/21 12:03
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-4
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	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 14:18	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 13:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3286	05/20/21 13:24	SC	XEN MID
Soluble	Analysis	300.0		1			3340	05/25/21 21:54	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-65
Date Collected: 05/19/21 12:04
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-5
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	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 14:38	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 13:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3286	05/20/21 13:24	SC	XEN MID
Soluble	Analysis	300.0		1			3340	05/25/21 21:59	CH	XEN MID

Client Sample ID: C-66
Date Collected: 05/19/21 12:05
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-6
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	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 14:58	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 14:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 21:40	CH	XEN MID

Client Sample ID: C-67
Date Collected: 05/19/21 12:06
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-7
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	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 15:19	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 14:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 21:55	CH	XEN MID

Client Sample ID: C-68
Date Collected: 05/19/21 12:07
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 15:48	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 14:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 21:59	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-69
Date Collected: 05/19/21 12:08
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 18:19	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 15:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		5			3341	05/24/21 22:04	CH	XEN MID

Client Sample ID: C-70
Date Collected: 05/19/21 12:09
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-10
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			5.03 g	5 mL	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 18:40	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 15:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		5			3341	05/24/21 22:09	CH	XEN MID

Client Sample ID: C-71
Date Collected: 05/19/21 12:10
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 19:00	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 16:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3490	05/25/21 17:28	SC	XEN MID
Soluble	Analysis	300.0		1			3491	05/25/21 23:34	CH	XEN MID

Client Sample ID: C-72
Date Collected: 05/19/21 12:11
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-12
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			4.98 g	5 mL	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 19:21	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 16:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 22:29	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-76
Date Collected: 05/19/21 12:12
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 19:41	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 17:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 22:34	CH	XEN MID

Client Sample ID: C-77
Date Collected: 05/19/21 12:13
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 20:02	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 17:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 22:39	CH	XEN MID

Client Sample ID: C-78
Date Collected: 05/19/21 12:14
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 20:22	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 17:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 22:44	CH	XEN MID

Client Sample ID: C-82
Date Collected: 05/19/21 12:15
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-16
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			5.00 g	5 mL	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 20:42	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 18:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 22:48	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-83
Date Collected: 05/19/21 12:16
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 21:03	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 18:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 23:03	CH	XEN MID

Client Sample ID: C-84
Date Collected: 05/19/21 12:17
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-18
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			4.99 g	5 mL	3261	05/20/21 09:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/20/21 21:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 18:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 23:08	CH	XEN MID

Client Sample ID: C-85
Date Collected: 05/19/21 12:18
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-19
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			4.96 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 01:01	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 19:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 23:23	CH	XEN MID

Client Sample ID: C-103
Date Collected: 05/19/21 12:19
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 01:21	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3264	05/20/21 09:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3310	05/21/21 19:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 23:28	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-104
Date Collected: 05/19/21 12:20
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-21
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			5.05 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 01:42	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 11:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 23:32	CH	XEN MID

Client Sample ID: C-105
Date Collected: 05/19/21 12:21
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 02:02	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 12:49	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 23:37	CH	XEN MID

Client Sample ID: C-110
Date Collected: 05/19/21 12:22
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-23
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			5.01 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 02:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 13:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 23:42	CH	XEN MID

Client Sample ID: C-128
Date Collected: 05/19/21 12:23
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 02:43	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 13:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 23:47	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-130
Date Collected: 05/19/21 12:24
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 03:03	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 13:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	3287	05/20/21 13:28	SC	XEN MID
Soluble	Analysis	300.0		1			3341	05/24/21 23:52	CH	XEN MID

Client Sample ID: C-131
Date Collected: 05/19/21 12:25
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-26
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	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 03:24	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 14:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 18:49	CH	XEN MID

Client Sample ID: C-132
Date Collected: 05/19/21 12:26
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 03:44	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 14:34	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 19:03	CH	XEN MID

Client Sample ID: C-134
Date Collected: 05/19/21 12:27
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 04:05	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 14:56	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 19:08	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-136
Date Collected: 05/19/21 12:28
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 10:00	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 15:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 19:13	CH	XEN MID

Client Sample ID: C-137
Date Collected: 05/19/21 12:29
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-30
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	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 10:21	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 15:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 19:18	CH	XEN MID

Client Sample ID: C-138
Date Collected: 05/19/21 12:30
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-31
Matrix: Solid

Prep 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	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 10:41	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 16:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 19:33	CH	XEN MID

Client Sample ID: C-139
Date Collected: 05/19/21 12:31
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-32
Matrix: Solid

Prep 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	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 11:01	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 16:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 19:37	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Client Sample ID: C-140
Date Collected: 05/19/21 12:32
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-33
Matrix: Solid

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	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 11:22	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 17:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 19:42	CH	XEN MID

Client Sample ID: C-141
Date Collected: 05/19/21 12:33
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 11:42	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 17:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 19:47	CH	XEN MID

Client Sample ID: C-156
Date Collected: 05/19/21 12:34
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 12:03	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 17:45	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 19:52	CH	XEN MID

Client Sample ID: C-157
Date Collected: 05/19/21 12:35
Date Received: 05/20/21 08:55

Lab Sample ID: 880-2319-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 12:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 18:06	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 19:57	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Job ID: 880-2319-1
Project/Site: SD Frac 19

Client Sample ID: C-158
Lab Sample ID: 880-2319-37
Date Collected: 05/19/21 12:36
Matrix: Solid
Date Received: 05/20/21 08:55

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	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 12:43	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 18:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 20:12	CH	XEN MID

Client Sample ID: C-201
Lab Sample ID: 880-2319-38
Date Collected: 05/19/21 12:37
Matrix: Solid
Date Received: 05/20/21 08:55

Prep 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	3263	05/20/21 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3260	05/21/21 13:04	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3271	05/20/21 09:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3308	05/21/21 18:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3282	05/20/21 13:11	SC	XEN MID
Soluble	Analysis	300.0		1			3335	05/24/21 20:17	CH	XEN MID

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. Job ID: 880-2319-1
Project/Site: SD Frac 19

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	T104704400-20-21	06-30-21

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (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.

Laboratory References:

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

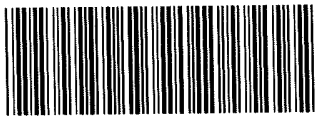
Sample Summary

Client: Larson & Associates, Inc.
Project/Site: SD Frac 19

Job ID: 880-2319-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-2319-1	C-25	Solid	05/19/21 12:00	05/20/21 08:55	
880-2319-2	C-41	Solid	05/19/21 12:01	05/20/21 08:55	
880-2319-3	C-61	Solid	05/19/21 12:02	05/20/21 08:55	
880-2319-4	C-63	Solid	05/19/21 12:03	05/20/21 08:55	
880-2319-5	C-65	Solid	05/19/21 12:04	05/20/21 08:55	
880-2319-6	C-66	Solid	05/19/21 12:05	05/20/21 08:55	
880-2319-7	C-67	Solid	05/19/21 12:06	05/20/21 08:55	
880-2319-8	C-68	Solid	05/19/21 12:07	05/20/21 08:55	
880-2319-9	C-69	Solid	05/19/21 12:08	05/20/21 08:55	
880-2319-10	C-70	Solid	05/19/21 12:09	05/20/21 08:55	
880-2319-11	C-71	Solid	05/19/21 12:10	05/20/21 08:55	
880-2319-12	C-72	Solid	05/19/21 12:11	05/20/21 08:55	
880-2319-13	C-76	Solid	05/19/21 12:12	05/20/21 08:55	
880-2319-14	C-77	Solid	05/19/21 12:13	05/20/21 08:55	
880-2319-15	C-78	Solid	05/19/21 12:14	05/20/21 08:55	
880-2319-16	C-82	Solid	05/19/21 12:15	05/20/21 08:55	
880-2319-17	C-83	Solid	05/19/21 12:16	05/20/21 08:55	
880-2319-18	C-84	Solid	05/19/21 12:17	05/20/21 08:55	
880-2319-19	C-85	Solid	05/19/21 12:18	05/20/21 08:55	
880-2319-20	C-103	Solid	05/19/21 12:19	05/20/21 08:55	
880-2319-21	C-104	Solid	05/19/21 12:20	05/20/21 08:55	
880-2319-22	C-105	Solid	05/19/21 12:21	05/20/21 08:55	
880-2319-23	C-110	Solid	05/19/21 12:22	05/20/21 08:55	
880-2319-24	C-128	Solid	05/19/21 12:23	05/20/21 08:55	
880-2319-25	C-130	Solid	05/19/21 12:24	05/20/21 08:55	
880-2319-26	C-131	Solid	05/19/21 12:25	05/20/21 08:55	
880-2319-27	C-132	Solid	05/19/21 12:26	05/20/21 08:55	
880-2319-28	C-134	Solid	05/19/21 12:27	05/20/21 08:55	
880-2319-29	C-136	Solid	05/19/21 12:28	05/20/21 08:55	
880-2319-30	C-137	Solid	05/19/21 12:29	05/20/21 08:55	
880-2319-31	C-138	Solid	05/19/21 12:30	05/20/21 08:55	
880-2319-32	C-139	Solid	05/19/21 12:31	05/20/21 08:55	
880-2319-33	C-140	Solid	05/19/21 12:32	05/20/21 08:55	
880-2319-34	C-141	Solid	05/19/21 12:33	05/20/21 08:55	
880-2319-35	C-156	Solid	05/19/21 12:34	05/20/21 08:55	
880-2319-36	C-157	Solid	05/19/21 12:35	05/20/21 08:55	
880-2319-37	C-158	Solid	05/19/21 12:36	05/20/21 08:55	
880-2319-38	C-201	Solid	05/19/21 12:37	05/20/21 08:55	

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880-2319 Chain of Custody

880-2319

01318

CUSTODY

5/26/2021

Larson & Associates, Inc.
Environmental Consultants

Midland, TX 79701
432-687-0901

Data Reported to

DATE: 5/19/2021 PAGE 1 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: SD frac 19

LAI PROJECT #: 19-0180-05 COLLECTOR: MB

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State: MST

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 Sample I D	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES	FIELD NOTES
C-05		5/19/21	1200	S	1				X		X X X X X	
C-41			1201									
C-61			1202									
C-63			1203									
C-65			1204									
C-66			1205									
C-67			1206									
C-68			1207									
C-69			1208									
C-70			1209									
C-71			1210									
C-72			1211									
C-76			1212									
C-77			1213									
C-78			1214									
TOTAL 15												

RELINQUISHED BY (Signature) DATE/TIME 5/20/21 0855 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 5.5/6.0 THERM# 128
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☑ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

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Received by OCD: 9/21/2021 11:24:22 AM

Released to Imaging: 10/13/2021 7:58:41 AM

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Loc: 880
2319

№ 1319

CHAIN-OF-CUSTODY

5/26/2021

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

DATE 5/19/2021 PAGE 2 OF 3

PO#.

LAB WORK ORDER#:

PROJECT LOCATION OR NAME SD frac 19

LAI PROJECT # 19-0186-05 COLLECTOR: MB

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

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
C-82		5/19/21	1215	S	4				X		X		X	X	X												X		
C-83		"	1216	"	"				"		"		"	"	"												"		
C-84		"	1217	"	"				"		"		"	"	"												"		
C-85		"	1218	"	"				"		"		"	"	"												"		
C-103		"	1219	"	"				"		"		"	"	"												"		
C-104		"	1220	"	"				"		"		"	"	"												"		
C-105		"	1221	"	"				"		"		"	"	"												"		
C-110		"	1222	"	"				"		"		"	"	"												"		
C-128		"	1223	"	"				"		"		"	"	"												"		
C-130		"	1224	"	"				"		"		"	"	"												"		
C-131		"	1225	"	"				"		"		"	"	"												"		
C-132		"	1226	"	"				"		"		"	"	"												"		
C-134		"	1227	"	"				"		"		"	"	"												"		
C-136		"	1228	"	"				"		"		"	"	"												"		
C-137		"	1229	"	"				"		"		"	"	"												"		
TOTAL 15																													

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
[signature]	5/20/21 0855	[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 5.5/6.0 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

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Received by OCD: 9/21/2021 11:24:22 AM

Released to Imaging: 10/13/2021 7:58:41 AM

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2319 №1320

CHAIN-OF-CUSTODY

5/26/2021

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

DATE 5/19/2021 PAGE 3 OF 3

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME. SD Frac 19

LAI PROJECT # 19-0180-05 COLLECTOR MB

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 ☐	8082 PCBS ☐	8151 HERBICIDES ☐	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
C-138			1030	S	4				X		X		X	X	X															X		
C-139			1031																													
C-140			1032																													
C-141			1033																													
C-156			1034																													
C-157			1035																													
C-158			1036																													
C-201			1037																													

TOTAL 8

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
[signature]	5/20/21 0855	[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 5.5/6.0 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

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Received by OCD: 9/21/2021 11:24:22 AM

Released to Imaging: 10/13/2021 7:58:41 AM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc. Job Number: 880-2319-1

Login Number: 2319 **List Source: Eurofins Xenco, Midland**
List Number: 1
Creator: Teel, Brianna

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

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ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-2797-1
Laboratory Sample Delivery Group: 19-0180-05
Client Project/Site: Salado Draw Frac Pond 19
Revision: 1

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
6/11/2021 8:24:23 AM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

LINKS

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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 Draw Frac Pond 19

Laboratory Job ID: 880-2797-1
SDG: 19-0180-05

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Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-2797-1
Project/Site: Salado Draw Frac Pond 19 SDG: 19-0180-05

Qualifiers

GC VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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 Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Job ID: 880-2797-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-2797-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 6/10/2021. The report (revision 1) is being revised due to: change sample 5 ID from C-20 to C-70 per Robert Nelson (email).

Receipt
The samples were received on 6/7/2021 4:34 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 6.0º C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: C-71 (880-2797-1), C-72 (880-2797-2), C-137 (880-2797-3), C-201 (880-2797-4), C-70 (880-2797-5), (MB 880-3868/5-A), (880-2797-A-1-A MS) and (880-2797-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-69 (880-2797-6) and C-67 (880-2797-7). 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
No analytical or quality issues were noted, other than those described 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 Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Client Sample ID: C-71

Date Collected: 06/04/21 11:23
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-1

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		06/08/21 09:04	06/08/21 13:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:04	06/08/21 13:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:04	06/08/21 13:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/08/21 09:04	06/08/21 13:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:04	06/08/21 13:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/08/21 09:04	06/08/21 13:27	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/08/21 09:04	06/08/21 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*06/08/21 09:04*	*06/08/21 13:27*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*06/08/21 09:04*	*06/08/21 13:27*	*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		06/08/21 12:06	06/08/21 18:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/08/21 12:06	06/08/21 18:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/08/21 12:06	06/08/21 18:13	1
Total TPH	<49.8	U	49.8		mg/Kg		06/08/21 12:06	06/08/21 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*06/08/21 12:06*	*06/08/21 18:13*	*1*
o-Terphenyl	*78*		*70 - 130*	*06/08/21 12:06*	*06/08/21 18:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1530**		24.8		mg/Kg			06/09/21 14:29	5

Client Sample ID: C-72

Date Collected: 06/04/21 11:24
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-2

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00524**	**B**	0.00200		mg/Kg		06/08/21 09:04	06/08/21 13:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:04	06/08/21 13:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:04	06/08/21 13:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/08/21 09:04	06/08/21 13:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:04	06/08/21 13:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/08/21 09:04	06/08/21 13:47	1
Total BTEX	**0.00524**		0.00400		mg/Kg		06/08/21 09:04	06/08/21 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*06/08/21 09:04*	*06/08/21 13:47*	*1*
1,4-Difluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*06/08/21 09:04*	*06/08/21 13:47*	*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		06/08/21 12:06	06/08/21 18:34	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Client Sample ID: C-72

Date Collected: 06/04/21 11:24
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/08/21 12:06	06/08/21 18:34	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/08/21 12:06	06/08/21 18:34	1
Total TPH	<49.9	U	49.9		mg/Kg		06/08/21 12:06	06/08/21 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*06/08/21 12:06*	*06/08/21 18:34*	*1*
o-Terphenyl	*79*		*70 - 130*	*06/08/21 12:06*	*06/08/21 18:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**903**		4.98		mg/Kg			06/09/21 14:46	1

Client Sample ID: C-137

Date Collected: 06/04/21 09:54
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-3

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		06/08/21 09:04	06/08/21 14:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/08/21 09:04	06/08/21 14:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/08/21 09:04	06/08/21 14:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/08/21 09:04	06/08/21 14:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/08/21 09:04	06/08/21 14:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/08/21 09:04	06/08/21 14:08	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		06/08/21 09:04	06/08/21 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*06/08/21 09:04*	*06/08/21 14:08*	*1*
1,4-Difluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*06/08/21 09:04*	*06/08/21 14:08*	*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		06/08/21 12:06	06/08/21 18:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/08/21 12:06	06/08/21 18:55	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/08/21 12:06	06/08/21 18:55	1
Total TPH	<49.9	U	49.9		mg/Kg		06/08/21 12:06	06/08/21 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*06/08/21 12:06*	*06/08/21 18:55*	*1*
o-Terphenyl	*79*		*70 - 130*	*06/08/21 12:06*	*06/08/21 18:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.2**		4.99		mg/Kg			06/09/21 14:51	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Client Sample ID: C-201

Date Collected: 06/04/21 10:37
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-4

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		06/08/21 09:04	06/08/21 14:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/08/21 09:04	06/08/21 14:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/08/21 09:04	06/08/21 14:29	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/08/21 09:04	06/08/21 14:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/08/21 09:04	06/08/21 14:29	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/08/21 09:04	06/08/21 14:29	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		06/08/21 09:04	06/08/21 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/08/21 09:04*	*06/08/21 14:29*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*06/08/21 09:04*	*06/08/21 14:29*	*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		06/08/21 12:06	06/08/21 19:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/08/21 12:06	06/08/21 19:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/08/21 12:06	06/08/21 19:16	1
Total TPH	<49.9	U	49.9		mg/Kg		06/08/21 12:06	06/08/21 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*06/08/21 12:06*	*06/08/21 19:16*	*1*
o-Terphenyl	*77*		*70 - 130*	*06/08/21 12:06*	*06/08/21 19:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.3		5.04		mg/Kg			06/09/21 14:57	1

Client Sample ID: C-70

Date Collected: 06/04/21 11:22
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-5

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		06/08/21 09:04	06/08/21 14:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:04	06/08/21 14:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:04	06/08/21 14:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/08/21 09:04	06/08/21 14:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:04	06/08/21 14:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/08/21 09:04	06/08/21 14:49	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/08/21 09:04	06/08/21 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/08/21 09:04*	*06/08/21 14:49*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*06/08/21 09:04*	*06/08/21 14:49*	*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		06/08/21 12:06	06/08/21 19:57	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Client Sample ID: C-70

Date Collected: 06/04/21 11:22
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/08/21 12:06	06/08/21 19:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/08/21 12:06	06/08/21 19:57	1
Total TPH	<50.0	U	50.0		mg/Kg		06/08/21 12:06	06/08/21 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*06/08/21 12:06*	*06/08/21 19:57*	*1*
o-Terphenyl	*78*		*70 - 130*	*06/08/21 12:06*	*06/08/21 19:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2350**		25.3		mg/Kg			06/09/21 15:02	5

Client Sample ID: C-69

Date Collected: 06/04/21 11:21
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-6
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		06/08/21 09:04	06/08/21 15:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:04	06/08/21 15:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:04	06/08/21 15:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/08/21 09:04	06/08/21 15:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:04	06/08/21 15:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/08/21 09:04	06/08/21 15:10	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/08/21 09:04	06/08/21 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/08/21 09:04*	*06/08/21 15:10*	*1*
1,4-Difluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*06/08/21 09:04*	*06/08/21 15:10*	*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	<49.7	U	49.7		mg/Kg		06/08/21 12:06	06/08/21 20:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/08/21 12:06	06/08/21 20:18	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/08/21 12:06	06/08/21 20:18	1
Total TPH	<49.7	U	49.7		mg/Kg		06/08/21 12:06	06/08/21 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*06/08/21 12:06*	*06/08/21 20:18*	*1*
o-Terphenyl	*76*		*70 - 130*	*06/08/21 12:06*	*06/08/21 20:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**389**		4.97		mg/Kg			06/09/21 15:18	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Client Sample ID: C-67

Date Collected: 06/04/21 11:19
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-7

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		06/08/21 09:04	06/08/21 15:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:04	06/08/21 15:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:04	06/08/21 15:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/08/21 09:04	06/08/21 15:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:04	06/08/21 15:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/08/21 09:04	06/08/21 15:31	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/08/21 09:04	06/08/21 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*06/08/21 09:04*	*06/08/21 15:31*	*1*
1,4-Difluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*06/08/21 09:04*	*06/08/21 15:31*	*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		06/08/21 15:00	06/08/21 20:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/08/21 15:00	06/08/21 20:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/08/21 15:00	06/08/21 20:39	1
Total TPH	<49.8	U	49.8		mg/Kg		06/08/21 15:00	06/08/21 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*06/08/21 15:00*	*06/08/21 20:39*	*1*
o-Terphenyl	*80*		*70 - 130*	*06/08/21 15:00*	*06/08/21 20:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.0**		4.98		mg/Kg			06/09/21 15:24	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-2797-1	C-71	87	110
880-2797-1 MS	C-71	94	110
880-2797-1 MSD	C-71	88	112
880-2797-2	C-72	113	140 S1+
880-2797-3	C-137	114	141 S1+
880-2797-4	C-201	98	124
880-2797-5	C-70	96	118
880-2797-6	C-69	93	132 S1+
880-2797-7	C-67	97	136 S1+
LCS 880-3868/1-A	Lab Control Sample	93	115
LCSD 880-3868/2-A	Lab Control Sample Dup	97	117
MB 880-3868/5-A	Method Blank	101	109

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)
880-2762-A-1-E MS	Matrix Spike	87	70
880-2762-A-1-F MSD	Matrix Spike Duplicate	90	70
880-2797-1	C-71	88	78
880-2797-2	C-72	88	79
880-2797-3	C-137	87	79
880-2797-4	C-201	86	77
880-2797-5	C-70	87	78
880-2797-6	C-69	87	76
880-2797-7	C-67	89	80
LCS 880-3887/2-A	Lab Control Sample	86	68 S1-
LCSD 880-3887/3-A	Lab Control Sample Dup	83	67 S1-
MB 880-3887/1-A	Method Blank	90	81

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3868/5-A
Matrix: Solid
Analysis Batch: 3872

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3868

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.002020		0.00200		mg/Kg		06/08/21 09:04	06/08/21 13:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:04	06/08/21 13:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:04	06/08/21 13:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/08/21 09:04	06/08/21 13:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:04	06/08/21 13:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/08/21 09:04	06/08/21 13:05	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/08/21 09:04	06/08/21 13:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/08/21 09:04*	*06/08/21 13:05*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*06/08/21 09:04*	*06/08/21 13:05*	*1*

Lab Sample ID: LCS 880-3868/1-A
Matrix: Solid
Analysis Batch: 3872

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3868

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1016		mg/Kg		102	70 - 130		
Toluene			0.100	0.09581		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.08963		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene			0.200	0.1835		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.08881		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-3868/2-A
Matrix: Solid
Analysis Batch: 3872

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3868

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09670		mg/Kg		97	70 - 130	5	35
Toluene			0.100	0.1010		mg/Kg		101	70 - 130	5	35
Ethylbenzene			0.100	0.1010		mg/Kg		101	70 - 130	12	35
m-Xylene & p-Xylene			0.200	0.1952		mg/Kg		98	70 - 130	6	35
o-Xylene			0.100	0.09803		mg/Kg		98	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: 880-2797-1 MS
Matrix: Solid
Analysis Batch: 3872

Client Sample ID: C-71
Prep Type: Total/NA
Prep Batch: 3868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U	0.0992	0.07427		mg/Kg		75	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

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

Lab Sample ID: 880-2797-1 MS
Matrix: Solid
Analysis Batch: 3872

Client Sample ID: C-71
Prep Type: Total/NA
Prep Batch: 3868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00199	U	0.0992	0.08365		mg/Kg		84	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.07591		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1578		mg/Kg		80	70 - 130
o-Xylene	<0.00199	U	0.0992	0.07773		mg/Kg		78	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 880-2797-1 MSD
Matrix: Solid
Analysis Batch: 3872

Client Sample ID: C-71
Prep Type: Total/NA
Prep Batch: 3868

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.07462		mg/Kg		75	70 - 130	0	35
Toluene	<0.00199	U	0.100	0.07851		mg/Kg		79	70 - 130	6	35
Ethylbenzene	<0.00199	U	0.100	0.07319		mg/Kg		73	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1391		mg/Kg		70	70 - 130	13	35
o-Xylene	<0.00199	U	0.100	0.07276		mg/Kg		73	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

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

Lab Sample ID: MB 880-3887/1-A
Matrix: Solid
Analysis Batch: 3877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3887

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/08/21 12:06	06/08/21 14:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/08/21 12:06	06/08/21 14:22	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/08/21 12:06	06/08/21 14:22	1
Total TPH	<50.0	U	50.0		mg/Kg		06/08/21 12:06	06/08/21 14:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*06/08/21 12:06*	*06/08/21 14:22*	*1*
o-Terphenyl	*81*		*70 - 130*	*06/08/21 12:06*	*06/08/21 14:22*	*1*

Lab Sample ID: LCS 880-3887/2-A
Matrix: Solid
Analysis Batch: 3877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3887

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	748.9		mg/Kg		75	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

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

Lab Sample ID: LCS 880-3887/2-A
Matrix: Solid
Analysis Batch: 3877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3887

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (Over C10-C28)			1000	825.8		mg/Kg		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*68*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-3887/3-A
Matrix: Solid
Analysis Batch: 3877

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3887

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	775.5		mg/Kg		78	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	800.9		mg/Kg		80	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*67*	*S1-*	*70 - 130*

Lab Sample ID: 880-2762-A-1-E MS
Matrix: Solid
Analysis Batch: 3877

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 3887

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	999	853.4		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	54.3		999	902.5		mg/Kg		85	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*70*		*70 - 130*

Lab Sample ID: 880-2762-A-1-F MSD
Matrix: Solid
Analysis Batch: 3877

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 3887

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	998	894.8		mg/Kg		90	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	54.3		998	896.9		mg/Kg		84	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*70*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3882/1-A
Matrix: Solid
Analysis Batch: 3914

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/09/21 14:13	1

Lab Sample ID: LCS 880-3882/2-A
Matrix: Solid
Analysis Batch: 3914

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	251.5		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-3882/3-A
Matrix: Solid
Analysis Batch: 3914

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	251.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-2797-1 MS
Matrix: Solid
Analysis Batch: 3914

Client Sample ID: C-71
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	1530		1240	2835		mg/Kg		105	90 - 110		

Lab Sample ID: 880-2797-1 MSD
Matrix: Solid
Analysis Batch: 3914

Client Sample ID: C-71
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1530		1240	2835		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

GC VOA

Prep Batch: 3868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2797-1	C-71	Total/NA	Solid	5035	
880-2797-2	C-72	Total/NA	Solid	5035	
880-2797-3	C-137	Total/NA	Solid	5035	
880-2797-4	C-201	Total/NA	Solid	5035	
880-2797-5	C-70	Total/NA	Solid	5035	
880-2797-6	C-69	Total/NA	Solid	5035	
880-2797-7	C-67	Total/NA	Solid	5035	
MB 880-3868/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3868/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3868/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-2797-1 MS	C-71	Total/NA	Solid	5035	
880-2797-1 MSD	C-71	Total/NA	Solid	5035	

Analysis Batch: 3872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2797-1	C-71	Total/NA	Solid	8021B	3868
880-2797-2	C-72	Total/NA	Solid	8021B	3868
880-2797-3	C-137	Total/NA	Solid	8021B	3868
880-2797-4	C-201	Total/NA	Solid	8021B	3868
880-2797-5	C-70	Total/NA	Solid	8021B	3868
880-2797-6	C-69	Total/NA	Solid	8021B	3868
880-2797-7	C-67	Total/NA	Solid	8021B	3868
MB 880-3868/5-A	Method Blank	Total/NA	Solid	8021B	3868
LCS 880-3868/1-A	Lab Control Sample	Total/NA	Solid	8021B	3868
LCSD 880-3868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3868
880-2797-1 MS	C-71	Total/NA	Solid	8021B	3868
880-2797-1 MSD	C-71	Total/NA	Solid	8021B	3868

GC Semi VOA

Analysis Batch: 3877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2797-1	C-71	Total/NA	Solid	8015B NM	3887
880-2797-2	C-72	Total/NA	Solid	8015B NM	3887
880-2797-3	C-137	Total/NA	Solid	8015B NM	3887
880-2797-4	C-201	Total/NA	Solid	8015B NM	3887
880-2797-5	C-70	Total/NA	Solid	8015B NM	3887
880-2797-6	C-69	Total/NA	Solid	8015B NM	3887
880-2797-7	C-67	Total/NA	Solid	8015B NM	3887
MB 880-3887/1-A	Method Blank	Total/NA	Solid	8015B NM	3887
LCS 880-3887/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3887
LCSD 880-3887/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3887
880-2762-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	3887
880-2762-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	3887

Prep Batch: 3887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2797-1	C-71	Total/NA	Solid	8015NM Prep	
880-2797-2	C-72	Total/NA	Solid	8015NM Prep	
880-2797-3	C-137	Total/NA	Solid	8015NM Prep	
880-2797-4	C-201	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

GC Semi VOA (Continued)

Prep Batch: 3887 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2797-5	C-70	Total/NA	Solid	8015NM Prep	
880-2797-6	C-69	Total/NA	Solid	8015NM Prep	
880-2797-7	C-67	Total/NA	Solid	8015NM Prep	
MB 880-3887/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3887/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3887/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-2762-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-2762-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 3882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2797-1	C-71	Soluble	Solid	DI Leach	
880-2797-2	C-72	Soluble	Solid	DI Leach	
880-2797-3	C-137	Soluble	Solid	DI Leach	
880-2797-4	C-201	Soluble	Solid	DI Leach	
880-2797-5	C-70	Soluble	Solid	DI Leach	
880-2797-6	C-69	Soluble	Solid	DI Leach	
880-2797-7	C-67	Soluble	Solid	DI Leach	
MB 880-3882/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3882/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3882/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2797-1 MS	C-71	Soluble	Solid	DI Leach	
880-2797-1 MSD	C-71	Soluble	Solid	DI Leach	

Analysis Batch: 3914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2797-1	C-71	Soluble	Solid	300.0	3882
880-2797-2	C-72	Soluble	Solid	300.0	3882
880-2797-3	C-137	Soluble	Solid	300.0	3882
880-2797-4	C-201	Soluble	Solid	300.0	3882
880-2797-5	C-70	Soluble	Solid	300.0	3882
880-2797-6	C-69	Soluble	Solid	300.0	3882
880-2797-7	C-67	Soluble	Solid	300.0	3882
MB 880-3882/1-A	Method Blank	Soluble	Solid	300.0	3882
LCS 880-3882/2-A	Lab Control Sample	Soluble	Solid	300.0	3882
LCSD 880-3882/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3882
880-2797-1 MS	C-71	Soluble	Solid	300.0	3882
880-2797-1 MSD	C-71	Soluble	Solid	300.0	3882

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Client Sample ID: C-71
Date Collected: 06/04/21 11:23
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-1
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	3868	06/08/21 09:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3872	06/08/21 13:27	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3887	06/08/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3877	06/08/21 18:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	3882	06/08/21 11:40	CH	XEN MID
Soluble	Analysis	300.0		5			3914	06/09/21 14:29	CH	XEN MID

Client Sample ID: C-72
Date Collected: 06/04/21 11:24
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3868	06/08/21 09:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3872	06/08/21 13:47	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3887	06/08/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3877	06/08/21 18:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3882	06/08/21 11:40	CH	XEN MID
Soluble	Analysis	300.0		1			3914	06/09/21 14:46	CH	XEN MID

Client Sample ID: C-137
Date Collected: 06/04/21 09:54
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-3
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	3868	06/08/21 09:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3872	06/08/21 14:08	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3887	06/08/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3877	06/08/21 18:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3882	06/08/21 11:40	CH	XEN MID
Soluble	Analysis	300.0		1			3914	06/09/21 14:51	CH	XEN MID

Client Sample ID: C-201
Date Collected: 06/04/21 10:37
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-4
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			5.04 g	5 mL	3868	06/08/21 09:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3872	06/08/21 14:29	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3887	06/08/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3877	06/08/21 19:16	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3882	06/08/21 11:40	CH	XEN MID
Soluble	Analysis	300.0		1			3914	06/09/21 14:57	CH	XEN MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Client Sample ID: C-70

Date Collected: 06/04/21 11:22
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-5
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	3868	06/08/21 09:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3872	06/08/21 14:49	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3887	06/08/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3877	06/08/21 19:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3882	06/08/21 11:40	CH	XEN MID
Soluble	Analysis	300.0		5			3914	06/09/21 15:02	CH	XEN MID

Client Sample ID: C-69

Date Collected: 06/04/21 11:21
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-6
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	3868	06/08/21 09:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3872	06/08/21 15:10	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	3887	06/08/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3877	06/08/21 20:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3882	06/08/21 11:40	CH	XEN MID
Soluble	Analysis	300.0		1			3914	06/09/21 15:18	CH	XEN MID

Client Sample ID: C-67

Date Collected: 06/04/21 11:19
Date Received: 06/07/21 16:34

Lab Sample ID: 880-2797-7
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	3868	06/08/21 09:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3872	06/08/21 15:31	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3887	06/08/21 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3877	06/08/21 20:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3882	06/08/21 11:40	CH	XEN MID
Soluble	Analysis	300.0		1			3914	06/09/21 15:24	CH	XEN MID

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. Job ID: 880-2797-1
Project/Site: Salado Draw Frac Pond 19 SDG: 19-0180-05

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	T104704400-20-21	06-30-21

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (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.

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 Draw Frac Pond 19

Job ID: 880-2797-1
SDG: 19-0180-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-2797-1	C-71	Solid	06/04/21 11:23	06/07/21 16:34	
880-2797-2	C-72	Solid	06/04/21 11:24	06/07/21 16:34	
880-2797-3	C-137	Solid	06/04/21 09:54	06/07/21 16:34	
880-2797-4	C-201	Solid	06/04/21 10:37	06/07/21 16:34	
880-2797-5	C-70	Solid	06/04/21 11:22	06/07/21 16:34	
880-2797-6	C-69	Solid	06/04/21 11:21	06/07/21 16:34	
880-2797-7	C-67	Solid	06/04/21 11:19	06/07/21 16:34	

880-2797 № 1629

CHAIN-OF-CUSTODY

6/11/2021 (Rev. 1)

Larson & Associates, Inc.
Environmental Consultants
Data Reported to

880-2797 Chain of Custody

Midland, TX 79701
432-687-0901

DATE: 6/7/2021 PAGE 1 OF 1

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Salado Draw Frac Pond 19

LAI PROJECT #: 19-0180-005 COLLECTOR: DSG

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	HNO3	H2SO4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-71		6/4/21	1123	S	1				X		X		X	X	X													X		
C-72		"	1124	"	"				"		"		"	"	"													"		
C-137			0954																											
C-201			1037																											
C-20			1122																											
C-69			1121																											
C-67		"	1119	"	"				"		"		"	"	"													"		
TOTAL					7																									

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
	6/7/21 1623	
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 5.5/6.0 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Received by OCD: 9/21/2021 11:24:22 AM

Released to Imaging: 10/13/2021 7:58:41 AM

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

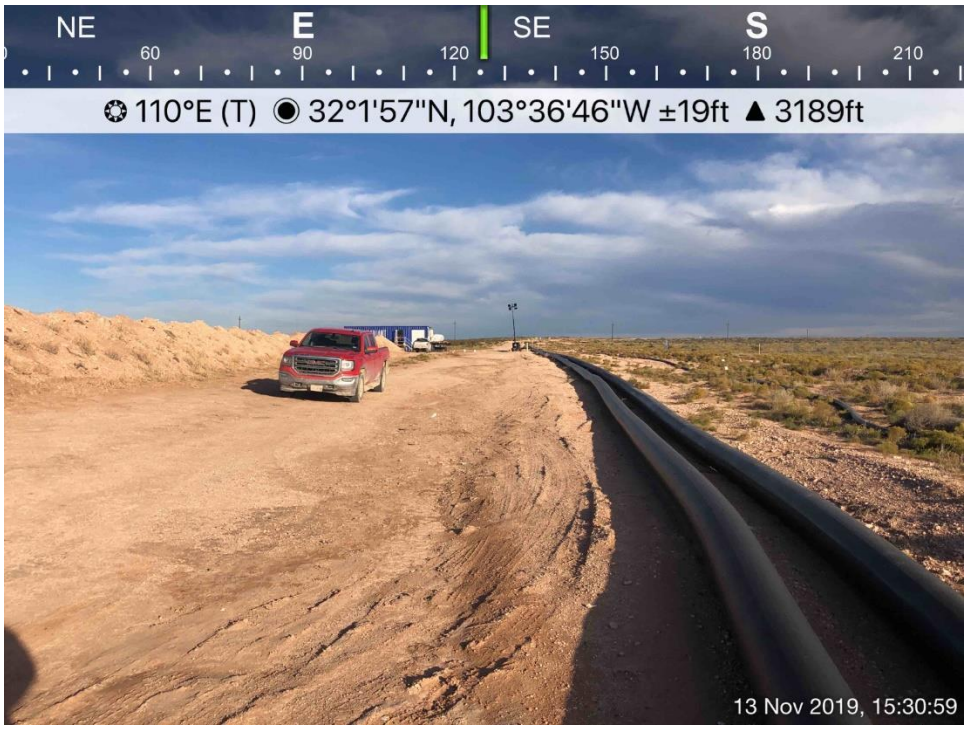
Job Number: 880-2797-1
SDG Number: 19-0180-05

Login Number: 2797
List Number: 1
Creator: Phillips, Kerianna

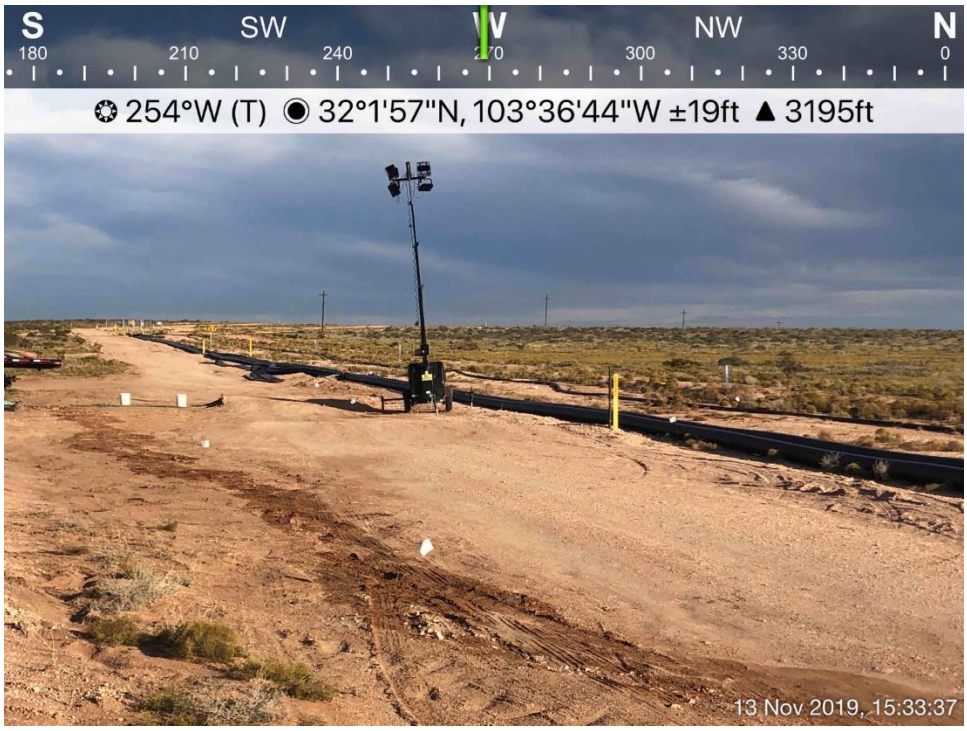
List Source: Eurofins Xenco, Midland

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

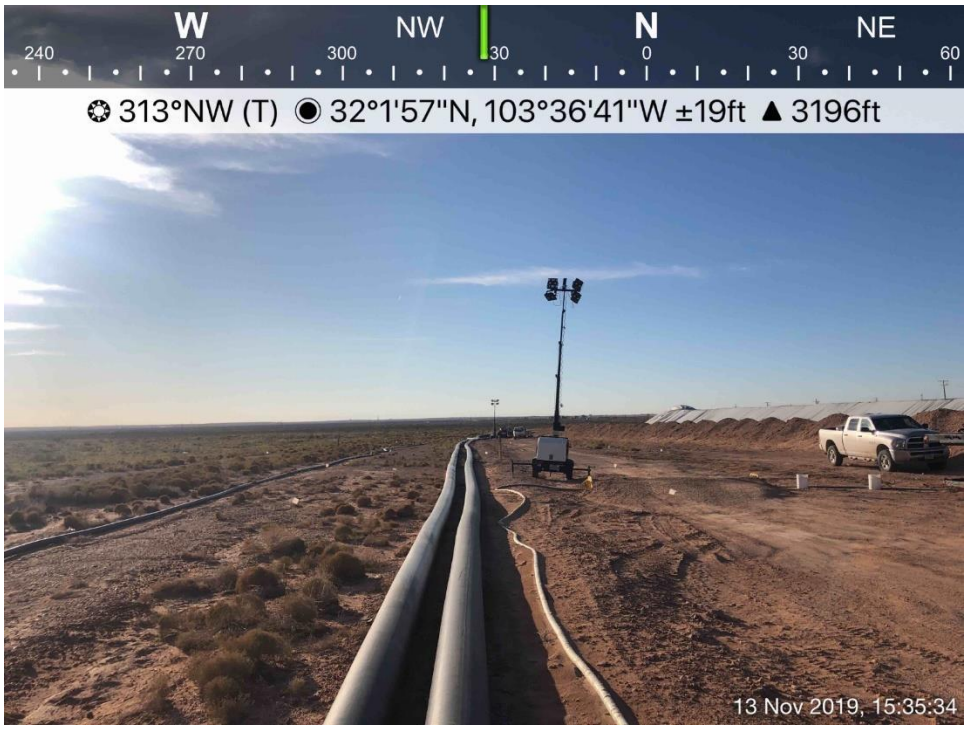
Appendix D
Photographs



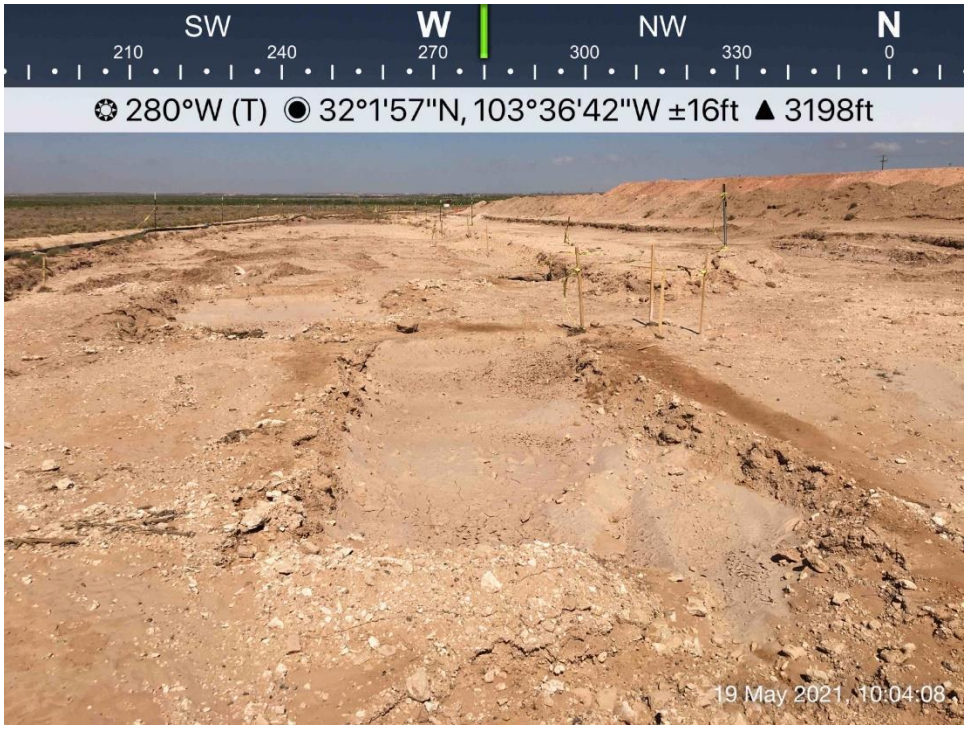
Spill area viewing to the east/southeast.



Spill area viewing to the west.



Spill area viewing to the northwest.



Excavation of the eastern portion viewing to the west.



Excavation of the eastern portion viewing to the west.



Excavation of the eastern portion viewing to the southeast.



Excavation of the central portion viewing to the east.



Excavation of the central portion viewing to the southwest.



Excavation of the western portion viewing to the northeast.



200 square foot area encompassing sample C-137 excavated to four (4) feet bgs.



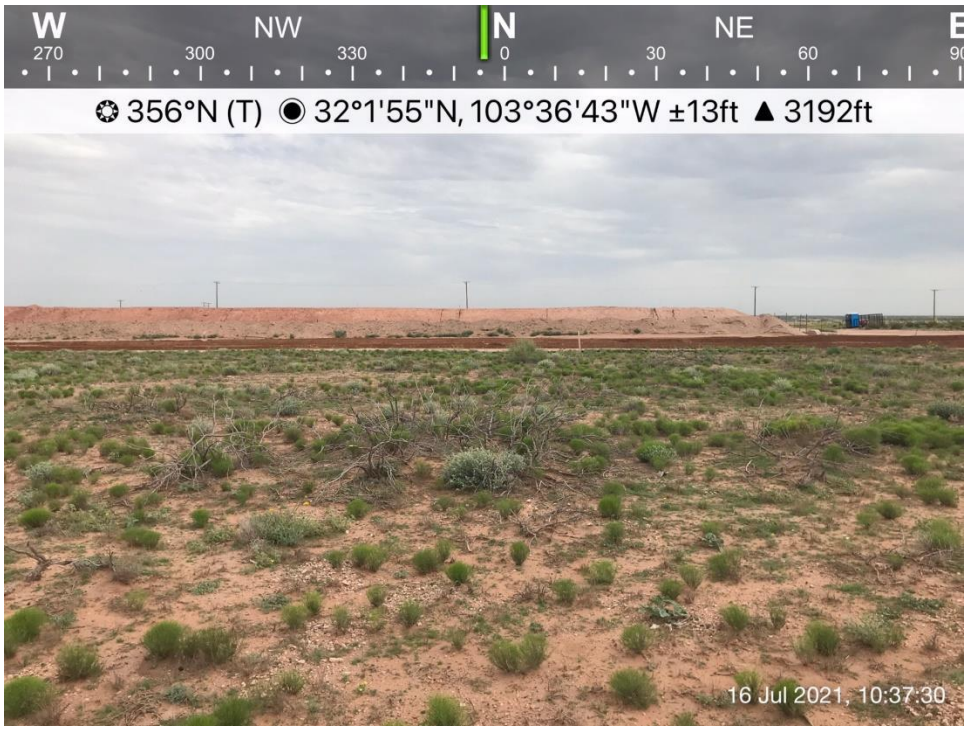
1,000 square foot area encompassing samples C-67 and C-69 through C-72 excavated to four (4) feet bgs. Viewing to the east



Additional soil removed from sidewall encompassing sample C-201, Viewing to the northeast.



Backfilled excavation, viewing to the west.



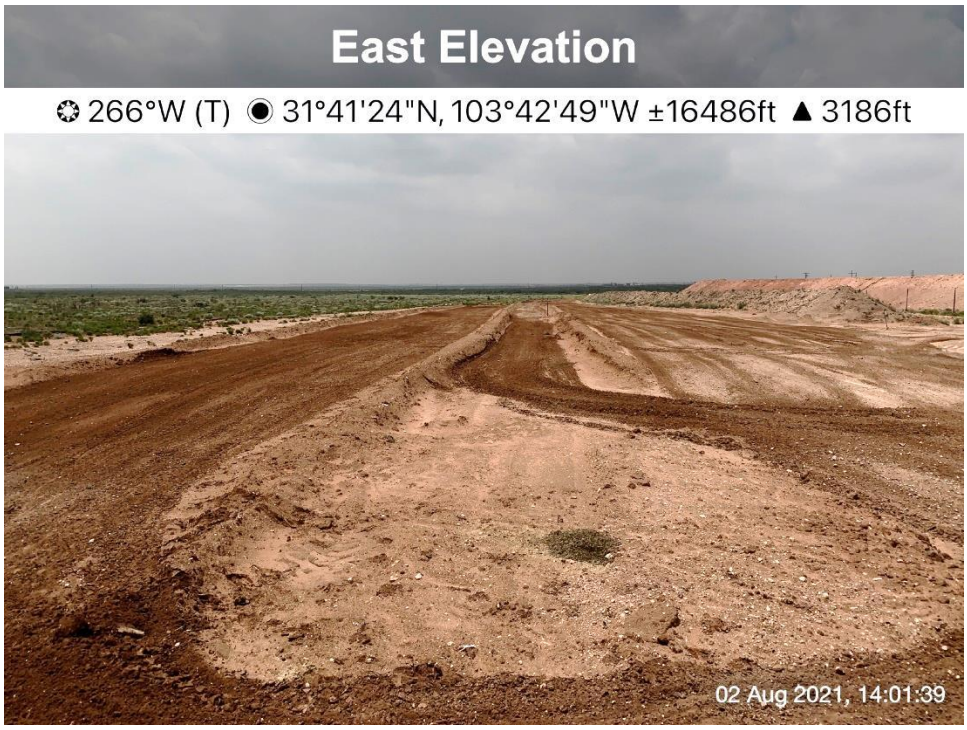
Backfilled excavation, viewing to the north.



Backfilled excavation, viewing to the southeast.



Backfilled excavation, seeded, and dragged, viewing to the east.



Backfilled excavation, seeded, and dragged, viewing to the west.

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

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

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	4323
	Action Number: 50604
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	10/13/2021