

Incident ID	nAPP2225428183
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?	<u>>101.5</u> (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

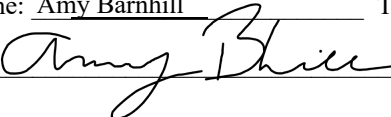
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, 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.

State of New Mexico
Oil Conservation Division

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

Printed Name: Amy Barnhill Title: Environmental AdvisorSignature:  Date: 8-23-23email: ABarnhill@chevron.comTelephone: 432-687-7723**OCD Only**

Received by: _____ Date: _____

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Remediation Plan

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

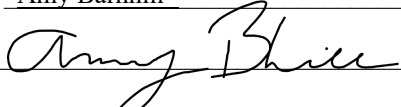
- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note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

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

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

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

Printed Name: Amy Barnhill Title: Environmental Advisor

Signature:  Date: 8-23-23

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

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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Application ID	

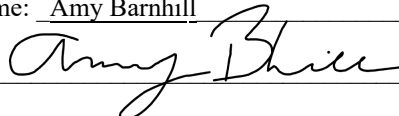
Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ 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)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Amy Barnhill Title: Environmental Advisor
Signature:  Date: 8-23-23
email: ABarnhill@chevron.com Telephone: 432-687-7723

OCD Only

Received by: Shelly Wells Date: 8/24/2023

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

Closure Approved by:  Date: 12/06/2023
Printed Name: Nelson Velez Title: Environmental Specialist - Adv

Tracking Number(s): nAPP2225428183
Closure Report
Salado Draw Pad 415
Produced Water Release
Lea County, New Mexico

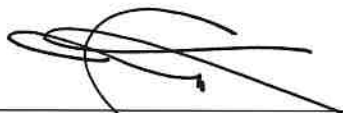
Latitude: N 32.02170°
Longitude: W -103.63134°

LAI Project No. 22-0105-13

August 16, 2023

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

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



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



Robert Nelson
Project Manager

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Appendix B	Karst Risk Potential
Appendix C	Soil Boring Log
Appendix D	NMOCD Communications
Appendix E	Laboratory Reports
Appendix F	Photographic Documentation

Tracking Number: nAPP2225428183
Closure Report
Chevron USA, Inc., Salado Draw Pad 415
Produced Water Release
August 16, 2023

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this closure report on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (NMOCD) District I for a produced water release at the Salado Draw Pad 415 (Site) located in Unit N (SE/4 of SW/4), Section 24, Township 26 South, Range 32 East in Lea County, New Mexico. The geodetic position is North 32.02170° and West -103.63134°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on August 27, 2022, due to rupture of the discharge line from the booster pump resulting in the release of produced water to the ground. Chevron reported that 101 barrels (bbls) of produced water were released, with 15 bbls recovered. The affected area measures approximately 11,936 square feet. The initial C-141 was submitted to NMOCD District I on September 9, 2022. The release was assigned incident number nAPP2225428183. Appendix A presents the Chevron spill calculation and spill map.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,134 feet above mean sea level (MSL).
- The surface elevation gradually decreases 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 geology consists of the Quaternary age- sand and silt in sheets and locally includes cover sand (USGS).
- The soils are designated as Pyote and Maljamar fine sands, consisting of 0 to 30 inches fine sand, underlain by 30 to 60 inches of fine sandy loam.
- Groundwater occurs at a depth greater than 101.5 feet below ground surface (bgs) based on depth to groundwater measurements taken 72 hours after installing a boring (SB-1) on April 14, 2020, approximately 0.42 miles or 2,208.14 feet north from the Site.

Appendix B presents USGS data depicting karst risk potential. Appendix C presents the soil boring log. Figure 3 presents the soil boring location.

1.3 Remediation Standards

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

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

Tracking Number: nAPP2225428183
Closure Report
Chevron USA, Inc., Salado Draw Pad 415
Produced Water Release
August 16, 2023

2.0 DELINEATION

The release was fully delineated between September 7, 2022, and November 11, 2022. The delineation was reported to the NMOCD in the document titled "Tracking Number: nAPP2225428183, Delineation Report and Remediation Plan, Salado Draw Pad 415 Produced Water Release, Lea County, New Mexico, January 11, 2023" and recommended the following remediation:

- Excavate soil from to 0.5 feet bgs an area measuring approximately 548 square feet encompassing S-3.
- Excavate soil to 1-foot bgs from an area measuring approximately 870 square feet encompassing S-15 and S-21.
- Excavate soil to 2 feet bgs from an area measuring approximately 12,472 square feet encompassing S-1, S-2, S-4 through S-8, and S-10 through S-14, S-16, and S-17.
- Excavate soil to 4.1 feet bgs from an area measuring approximately 964 square feet encompassing S-9.
- Collect five (5) point composite bottom and sidewall confirmation soil samples every 200 square feet and analyze for BTEX, TPH and chloride.
- Backfill the excavation with clean caliche on the production pad assuming achievement of NMOCD remediation levels.
- Prepare report with photographs for submittal to NMOCD District I.

NMOCD approved the remediation plan on February 2, 2023. Table 1 presents the delineation soil sample analytical data summary. Appendix D presents the NMOCD communications.

3.0 REMEDIATION

During April 2023, R&M Trucking and Backhoe (R&M), under supervision of LAI personnel, excavated impacted soil from the spill area encompassing sample locations S-1 through S-17, and S-21 at variable depths to a maximum of 4.1 feet bgs, per the NMOCD approved remediation plan (February 2, 2023). Excavated soil was temporarily stockpiled within the excavation prior to being hauled to the Milestone Environmental Services, a NMOCD permitted disposal facility, located approximately 4.5 miles northeast of Orla, Texas.

During May 2023, LAI personnel collected eighty-nine (89) composite bottom and sidewall soil samples (C-1 through C-89) from within the excavated area. The soil samples were delivered under chain of custody and preservation to the Eurofins – Xenco Laboratories (Xenco) in Midland, Texas. The laboratory analyzed all the confirmation soil samples for BTEX, TPH, and chloride by EPA SW-846 Methods 8021B and 8015M, and EPA Method 300.0E, respectively. The laboratory reported benzene and BTEX below the NMOCD remediations standards of 10 milligrams per kilogram (mg/Kg) and 50 mg/Kg, respectively, in all confirmation soil samples. TPH and/or chloride reported above the NMOCD remediation standard of 100 mg/Kg and 600 mg/kg, respectively, in the following bottom and sidewall samples: C-1, C-2, C-3, C-4, C-6, C-10, C-13, C-14, C-17, C-18, C-19, C-21, C-22, C-23, C-24, C-26, C-27, C-28, C-29, C-31, C-35, C-38, C-39, C-42, C-44, C-58, C-62, C-63, C-65, C-70, C-71, C-78, C-82, C-83, C-84, C-85, C-86, and C-89.

Tracking Number: nAPP2225428183
Closure Report
Chevron USA, Inc., Salado Draw Pad 415
Produced Water Release
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During July 2023, R&M, under supervision from LAI personnel, excavated additional soil encompassing the above-mentioned sample locations. Soil was excavated in 1-foot intervals to a maximum depth of 4.1 feet bgs, with LAI personnel field testing concurrently with excavation activities to determine if further excavation was necessary. Subsequent laboratory analysis reported benzene, BTEX, TPH, and chloride were below the NMOCD remediation standards listed in Table 1, 19.15.29 NMAC, for all confirmation soil samples. Table 2 presents the confirmation and backfill soil sample analytical data summary. Figure 4 presents the excavation areas and confirmation soil sample locations. Appendix E presents the laboratory reports.

On August 8, 2023, R&M backfilled the excavated area on the pad with clean caliche. LAI personnel collected five (5) composite samples of caliche backfill from a nearby burrow pit. Xenco analyzed the samples for benzene, BTEX, TPH and chloride. Benzene, BTEX, and TPH were below the method reporting limits (RL's) and chloride was less than 600 mg/Kg. Appendix F presents the photographic documentation.

4.0 CLOSURE REQUEST

Chevron requests no further action.

Tables

Table 1
Soil Sample Analytical Data Summary
SD 24 13 Fed P415
Lea County, New Mexico
32° 01' 18.34338" North, 103° 37' 49.37670" West

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Sample	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)
Remediation Level:				10	50	100/2,500			600/20,000	
S-1	0	9/7/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	7,230
	0.5	9/7/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	7,090
	1	11/10/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	664
	3	11/10/2022	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	20.1
	5	11/10/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	36.8
S-2	0	9/7/2022	In-Situ	<0.00108	<0.00215	<26.9	51.8	<26.9	51.8	14,000
	0.5	9/7/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	3,690
	1	11/10/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	2,410
	3	11/10/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	36.5
	5	11/10/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	43.8
S-3	0	9/7/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	627
	0.5	9/7/2022	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	199
S-4	0	9/7/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	15.9
	0.5	9/7/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	27.9
S-5	0	9/7/2022	In-Situ	<0.00109	<0.00217	477	16,600	437	17,500	6,650
	0.5	9/7/2022	In-Situ	<0.00110	<0.00220	<27.5	122	<27.5	122	3,500
	1	11/10/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	1,510
	3	11/10/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	82.6
	5	11/10/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	58.9
S-6	0	9/7/2022	In-Situ	<0.00104	<0.00208	<26.0	270	191	462	16,400

Table 1
Soil Sample Analytical Data Summary
SD 24 13 Fed P415
Lea County, New Mexico
32° 01' 18.34338" North, 103° 37' 49.37670" West

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Sample	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)
Remediation Level:				10	50	100/2,500			600/20,000	
	0.5	9/7/2022	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	4,210
	1	11/10/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	1,760
	3	11/10/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	305
	5	11/10/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	51.6
S-7	0	9/7/2022	In-Situ	<0.00104	<0.00208	<26.0	362	249	611	10,400
	0.5	9/7/2022	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	4,610
	1	11/10/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	2,440
	3	11/10/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	33.7
	5	11/10/2022	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	23.7
S-8	0	9/7/2022	In-Situ	<0.00103	<0.00206	<25.8	220	74.4	295	7,300
	0.5	9/7/2022	In-Situ	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	7,940
	1	11/10/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	4,970
	3	11/10/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	3.55
	5	11/10/2022	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	27.9
S-9	0	9/7/2022	In-Situ	<0.00106	<0.00213	<26.6	3,670	2,000	5,670	31,700
	0.5	9/7/2022	In-Situ	<0.00109	<0.00217	<27.2	66.7	<27.2	66.7	5,200
	1	11/10/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	2,830
	3	11/10/2022	In-Situ	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	2,790
	4.5	11/10/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	6,440
S-10	0	9/7/2022	In-Situ	<0.00103	<0.00206	<25.8	420	339	759	37,600

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Lea County, New Mexico
32° 01' 18.34338" North, 103° 37' 49.37670" West

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Remediation Level:				10	50	100/2,500			600/20,000	
	0.5	9/7/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	6,730
	1	11/10/2022	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	2,220
	3	11/10/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	87.6
	4.5	11/10/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	42.4
S-11	0	9/7/2022	In-Situ	<0.00105	<0.00211	<26.3	91.3	70.8	162	11,300
	0.5	9/7/2022	In-Situ	<0.00110	<0.00220	<27.5	66.8	<27.5	66.8	5,860
	1	11/10/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	2,000
	3	11/10/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	65.5
	4.5	11/10/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	28.9
S-12	0	9/7/2022	In-Situ	<0.00104	<0.00208	<26.0	160	90.5	250	8,420
	0.5	9/7/2022	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	3,640
	1	11/11/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	1,110
	3	11/11/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	64.8
	5	11/11/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	21.1
S-13	0	9/7/2022	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	5,740
	0.5	9/7/2022	In-Situ	<0.00110	<0.00200	<27.5	<27.5	<27.5	<27.5	4,690
	1	11/11/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	2,270
	3	11/11/2022	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	58.4
	5	11/11/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	102
S-14	0	9/7/2022	In-Situ	<0.00105	<0.00211	<26.3	119	<26.3	119	15,000

Table 1
Soil Sample Analytical Data Summary
SD 24 13 Fed P415
Lea County, New Mexico
32° 01' 18.34338" North, 103° 37' 49.37670" West

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Sample	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)
Remediation Level:				10	50	100/2,500				600/20,000
	0.5	9/7/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	3,700
	1	11/11/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	1,340
	3	11/11/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	78.1
	5	11/11/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	17.2
S-15	0	9/7/2022	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	8,540
	0.5	9/7/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	5,090
	1	11/11/2022	In-Situ	<0.00199	<0.00398	<49.9	61.5	<49.9	61.5	22.1
	3	11/11/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	96.6
	5	11/11/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	38.5
S-16	0	9/7/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	11,000
	0.5	9/7/2022	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	5,120
	1	11/11/2022	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	3,390
	3	11/11/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	149
	5	11/11/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	29.6
S-17	0	9/7/2022	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	7,630
	0.5	9/7/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	4,810
	1	11/11/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	713
	3	11/11/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	28.0
	5	11/11/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	35.0
S-18	0 - 0.5	9/7/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	98.8

Table 1
Soil Sample Analytical Data Summary
SD 24 13 Fed P415
Lea County, New Mexico
32° 01' 18.34338" North, 103° 37' 49.37670" West

Page 5 of 5

Sample	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)
Remediation Level:				10	50	100/2,500			600/20,000	
S-19	0 - 0.5	9/7/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	4.73
S-20	0 - 0.5	9/7/2022	In-Situ	<0.00101	<0.00202	<26.3	<26.3	<26.3	<26.3	14.0
S-21	0 - 0.5	9/7/2022	In-Situ	<0.00105	<0.00211	<26.3	505	<26.3	505	142
	1	11/11/2022	In-Situ	<0.00202	<0.00404	<50.0	<50.0	50.3	50.3	78.6
	3	11/11/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	19.4
	5	11/11/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	15.4
S-22	0 - 1	11/11/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	105

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

Depth in feet below ground surface (bgs)

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

<: denotes concentration less than analytical method reporting limit

Bold and Highlighted exceeds OCD remediation action limits

Table 2

Confirmation Soil Sample Analytical Data Summary
Salado Draw 24 Fed P415
Lea County, New Mexico
32°01'18.34338"N, 103°37'49.37670"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100/2,500			600/20,000	
C-1	Bottom	2	05/01/2023	Excavated	<0.00201	0.618	66.4	674	80.4	821	3,140
		4.1	07/10/2023	In-Situ	<0.00200	<0.00401	<50.5	389	<50.5	389	1,340
C-2	Bottom	2	05/01/2023	Excavated	<0.00199	0.0176	<50.0	<50.0	<50.0	<50.0	2,140
		4.1	07/11/2023	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	3,620
C-3	Bottom	2	05/01/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	2,360
		4.1	07/11/2023	In-Situ	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	2,490
C-4	Bottom	2	05/01/2023	Excavated	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	1,210
		4.1	07/10/2023	In-Situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	155	1,290
C-5	Bottom	2	05/01/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	443
C-6	Bottom	2	05/01/2023	Excavated	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	1,180
		4.1	07/11/2023	In-Situ	<0.00198	<0.00396	<49.5	<49.5	<49.5	<49.5	512
C-7	Bottom	2	05/01/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	148
C-8	Bottom	2	05/01/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	588
C-9	Bottom	2	05/01/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	570
C-10	Bottom	2	05/01/2023	Excavated	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	934
		4.1	07/12/2023	In-Situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	163
C-11	Bottom	2	05/01/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	342
C-12	Bottom	2	05/01/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	336
C-13	Bottom	2	05/01/2023	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	941
		4.1	07/12/2023	In-Situ	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	224
C-14	Bottom	2	05/01/2023	Excavated	<0.00200	0.00666	<49.9	<49.9	<49.9	<49.9	1,490
		4.1	07/12/2023	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	4,030
C-15	Bottom	2	05/02/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	73.1
C-16	Bottom	2	05/02/2023	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	408
C-17	Bottom	2	05/02/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	627
		4.1	07/12/2023	In-Situ	<0.00200	<0.00400	<50.4	<50.4	<50.4	<50.4	446
C-18	Bottom	2	05/02/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	1,230

Table 2

Confirmation Soil Sample Analytical Data Summary
Salado Draw 24 Fed P415
Lea County, New Mexico
32°01'18.34338"N, 103°37'49.37670"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100/2,500				600/20,000
C-19	Bottom	4.1	07/12/2023	In-Situ	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	89.0
		0.5	05/02/2023	Excavated	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	906
		2	07/11/2023	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	90.0
C-20	Bottom	2	05/02/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	181
C-21	Bottom	2	05/02/2023	Excavated	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	904
C-22	Bottom	4.1	07/12/2023	In-Situ	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	273
		2	05/02/2023	Excavated	<0.00199	<0.00398	<49.9	52.2	<49.9	52.2	1,080
		4.1	07/12/2023	In-Situ	<0.00200	<0.00401	<50.2	<50.2	<50.2	<50.2	413
C-23	Bottom	2	05/02/2023	Excavated	<0.00199	<0.00398	<50.0	54.0	<50.0	54.0	884
C-24	Bottom	4.1	07/14/2023	In-Situ	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	509
		0.5	05/02/2023	Excavated	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	1,730
		2	07/11/2023	In-Situ	<0.00200	<0.00401	<50.2	<50.2	<50.2	<50.2	444
C-25	Bottom	2	05/02/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	496
C-26	Bottom	2	05/02/2023	Excavated	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	605
C-27	Bottom	4.1	07/14/2023	In-Situ	<0.00201	<0.00402	<50.5	52.4	<50.5	52.4	56.3
		2	05/02/2023	Excavated	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	788
		4.1	07/14/2023	In-Situ	<0.00198	<0.00397	<50.5	<50.5	<50.5	<50.5	436
C-28	Bottom	2	05/02/2023	Excavated	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	1,130
C-29	Bottom	4.1	07/14/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	501
		0.5	05/02/2023	Excavated	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	682
		2	07/11/2023	In-Situ	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	411
C-30	Bottom	2	05/02/2023	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	551
C-31	Bottom	2	05/02/2023	Excavated	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	880
C-32	Bottom	4.1	07/14/2023	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	602
		2	05/02/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	329
		2	05/02/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	300
C-34	Bottom	2	05/02/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	430

Table 2
Confirmation Soil Sample Analytical Data Summary
Salado Draw 24 Fed P415
Lea County, New Mexico
32°01'18.34338"N, 103°37'49.37670"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100/2,500				600/20,000
C-35	Bottom	2	05/02/2023	Excavated	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	793
		4.1	07/14/2023	In-Situ	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5	647
C-36	Bottom	2	05/02/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	557
C-37	Bottom	2	05/02/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	203
C-38	Bottom	2	05/02/2023	Excavated	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	883
		4.1	07/14/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	499
C-39	Bottom	2	05/02/2023	Excavated	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	614
		4.1	07/14/2023	In-Situ	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	617
C-40	Bottom	2	05/02/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	414
C-41	Bottom	2	05/02/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	114
C-42	Bottom	2	05/02/2023	Excavated	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	928
		4.1	07/14/2023	In-Situ	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	157
C-43	Bottom	2	05/02/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	526
C-44	Bottom	2	05/02/2023	Excavated	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	626
		4.1	07/14/2023	In-Situ	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	397
C-45	Bottom	2	05/02/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	364
C-46	Bottom	2	05/02/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	339
C-47	Bottom	2	05/02/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	362
C-48	Bottom	4.1	05/02/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	218
C-49	Bottom	4.1	05/02/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	200
C-50	Bottom	4.1	05/02/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	537
C-51	Bottom	4.1	05/02/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	183
C-52	Bottom	4.1	05/02/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	2,270
C-53	Bottom	4.1	05/02/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	1,060
C-54	Bottom	1	05/02/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	91.3
C-55	Bottom	2	05/02/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	87.9
C-56	Bottom	2	05/02/2023	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	511

Table 2
Confirmation Soil Sample Analytical Data Summary
Salado Draw 24 Fed P415
Lea County, New Mexico
32°01'18.34338"N, 103°37'49.37670"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100/2,500				600/20,000
C-57	Bottom	1	05/03/2023	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	435
C-58	Bottom	1	05/03/2023	Excavated	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	984
		2	07/14/2023	Excavated	<0.00198	<0.00397	<49.6	<49.6	<49.6	<49.6	795
		4.1	07/26/2023	In-Situ	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	110
C-59	Bottom	2	05/03/2023	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	141
C-60	Bottom	2	05/03/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	93.4
C-61	Bottom	2	05/03/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	274
C-62	Bottom	2	05/03/2023	Excavated	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	602
		4.1	07/14/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	659
C-63	Bottom	2	05/03/2023	Excavated	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	692
		4.1	07/14/2023	In-Situ	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	349
C-64	Bottom	2	05/03/2023	In-Situ	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	534
C-65	Bottom	2	05/03/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	699
		2.5	07/14/2023	In-Situ	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	567
C-66	Bottom	2	05/03/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	417
C-67	Bottom	2	05/03/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	348
C-68	Bottom	2	05/03/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	331
C-69	Bottom	2	05/03/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	128
C-70	Bottom	2	05/03/2023	Excavated	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	1,860
		4.1	07/14/2023	In-Situ	<0.00202	<0.00404	<50.2	<50.2	<50.2	<50.2	376
C-71	Bottom	2	05/03/2023	Excavated	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	715
		4.1	07/14/2023	In-Situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	626
C-72	Bottom	2	05/03/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	423
C-73	Bottom	2	05/03/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	446
C-74	Bottom	2	05/03/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	394
C-75	Bottom	2	05/03/2023	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	204
C-76	Bottom	2	05/03/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	102

Table 2
Confirmation Soil Sample Analytical Data Summary
Salado Draw 24 Fed P415
Lea County, New Mexico
32°01'18.34338"N, 103°37'49.37670"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100/2,500				600/20,000
C-77	Bottom	2	05/03/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	204
C-78	Bottom	2	05/03/2023	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	867
		4.1	07/14/2023	In-Situ	<0.00200	<0.00401	<50.4	<50.4	<50.4	<50.4	732
C-79	Bottom	2	05/03/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	520
C-80	Bottom	2	05/03/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	242
C-81	Sidewall	0-2	05/03/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	259
C-82	Sidewall	0-2	05/03/2023	Excavated	<0.00199	<0.00398	<50.0	71.8	<50.0	71.8	2,000
		0 - 4.1	07/10/2023	In-Situ	<0.00202	0.00631	<50.0	<50.0	<50.0	<50.0	451
C-83	Sidewall	0-1	05/03/2023	Excavated	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	1,170
		0 - 2	07/14/2023	In-Situ	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	76.8
C-84	Sidewall	0 - 1	05/11/2023	Excavated	<0.00199	<0.00398	<50.0	154	<50.0	154	1,720
		0 - 2	07/14/2023	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	87.4
C-85	Sidewall	0 - 0.5	05/11/2023	Excavated	<0.00200	<0.00399	<49.8	307	<49.8	307	862
		0 - 2	07/11/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	492
C-86	Sidewall	0 - 4.1	05/11/2023	Excavated	<0.00200	<0.00401	<49.9	52.4	<49.9	52.4	1,050
			07/14/2023	Excavated	<0.00202	<0.00403	<49.5	<49.5	<49.5	<49.5	769
			07/26/2023	In-Situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	98.8
C-87	Sidewall	0-1	05/11/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	155
C-88	Sidewall	0-2	05/11/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	325
C-89	Sidewall	0-2	05/11/2023	Excavated	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	1,000
		0 - 4.1	07/14/2023	Excavated	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	825
			07/26/2023	In-Situ	<0.00202	<0.00403	<49.5	<49.5	<49.5	<49.5	86.7
BF-1	--	--	04/27/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	116
BF-2	--	--	04/27/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	94.9
BF-3	--	--	04/27/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	361
BF-4	--	--	04/27/2023	In-Situ	<0.00201	<0.00403	<49.9	<49.9	<49.9	<49.9	67.9

Table 2
Confirmation Soil Sample Analytical Data Summary
Salado Draw 24 Fed P415
Lea County, New Mexico
32°01'18.34338"N, 103°37'49.37670"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50	100/2,500				600/20,000
BF-5	--	--	04/27/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	221

Notes:

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

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

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

Depth reported in feet below ground surface (bgs)

Bold and Highlighted indicates parameter concentration is above NMOCD closure criteria

Figures

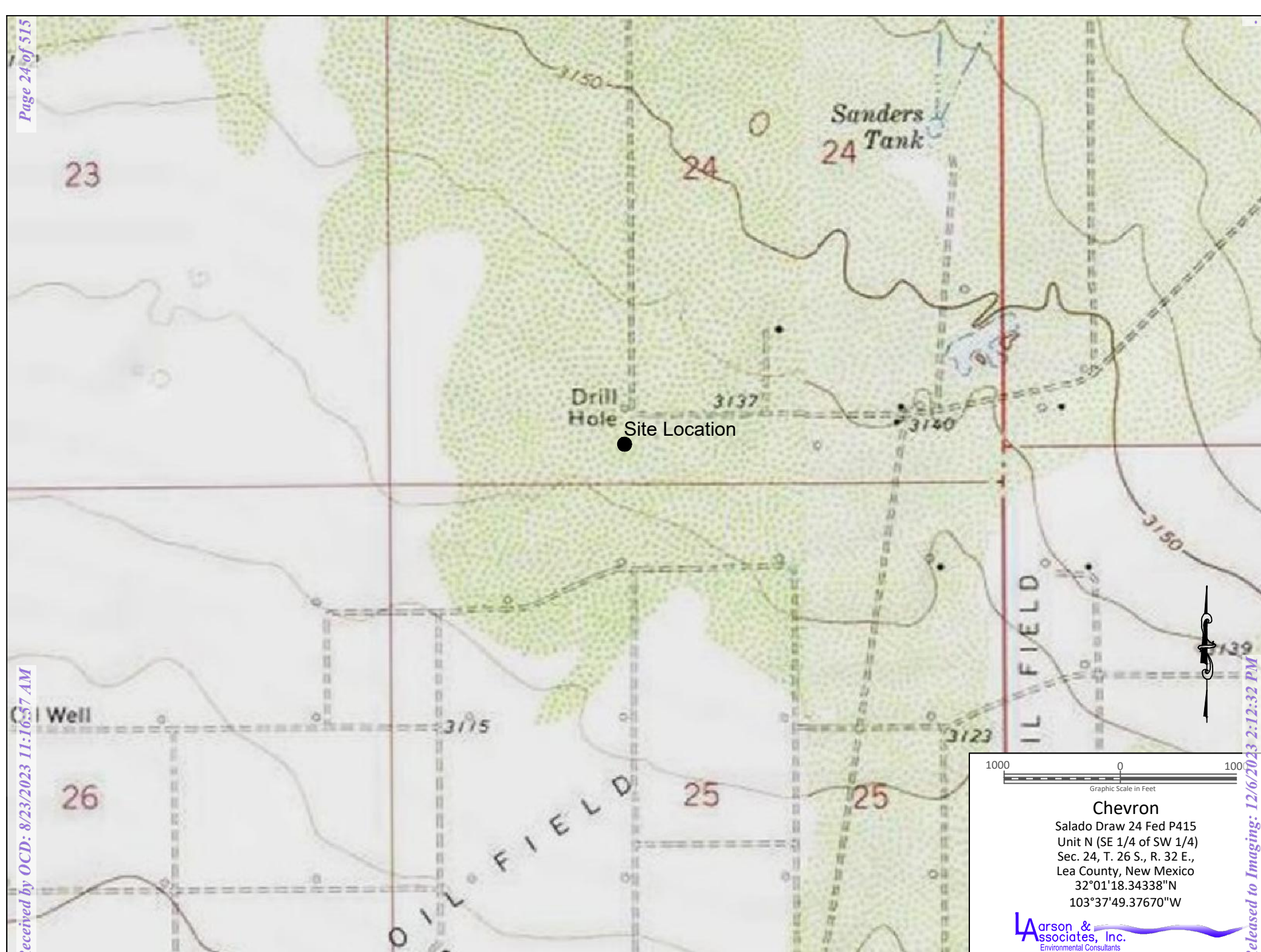


Figure 1 - Topographic Map

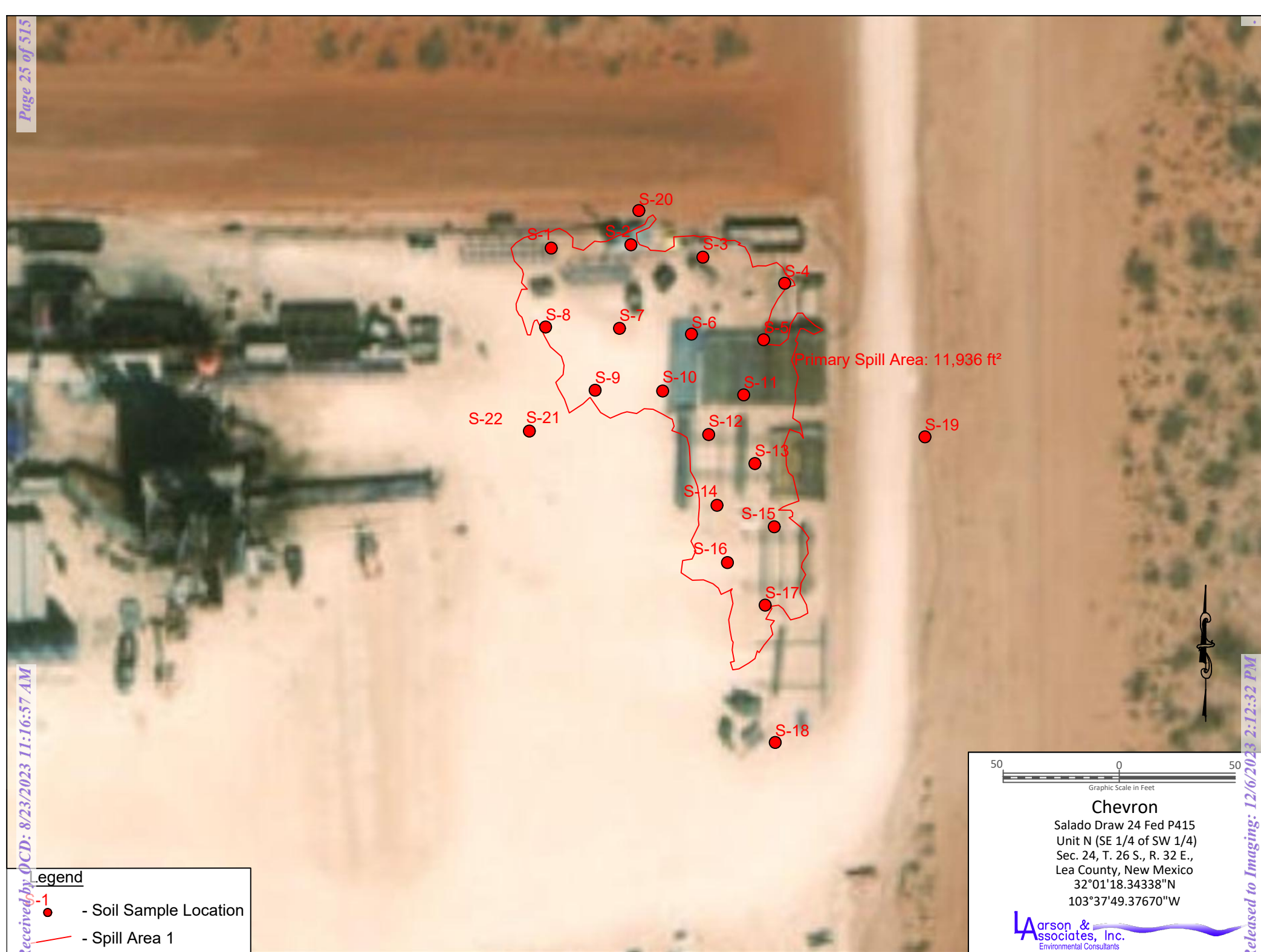
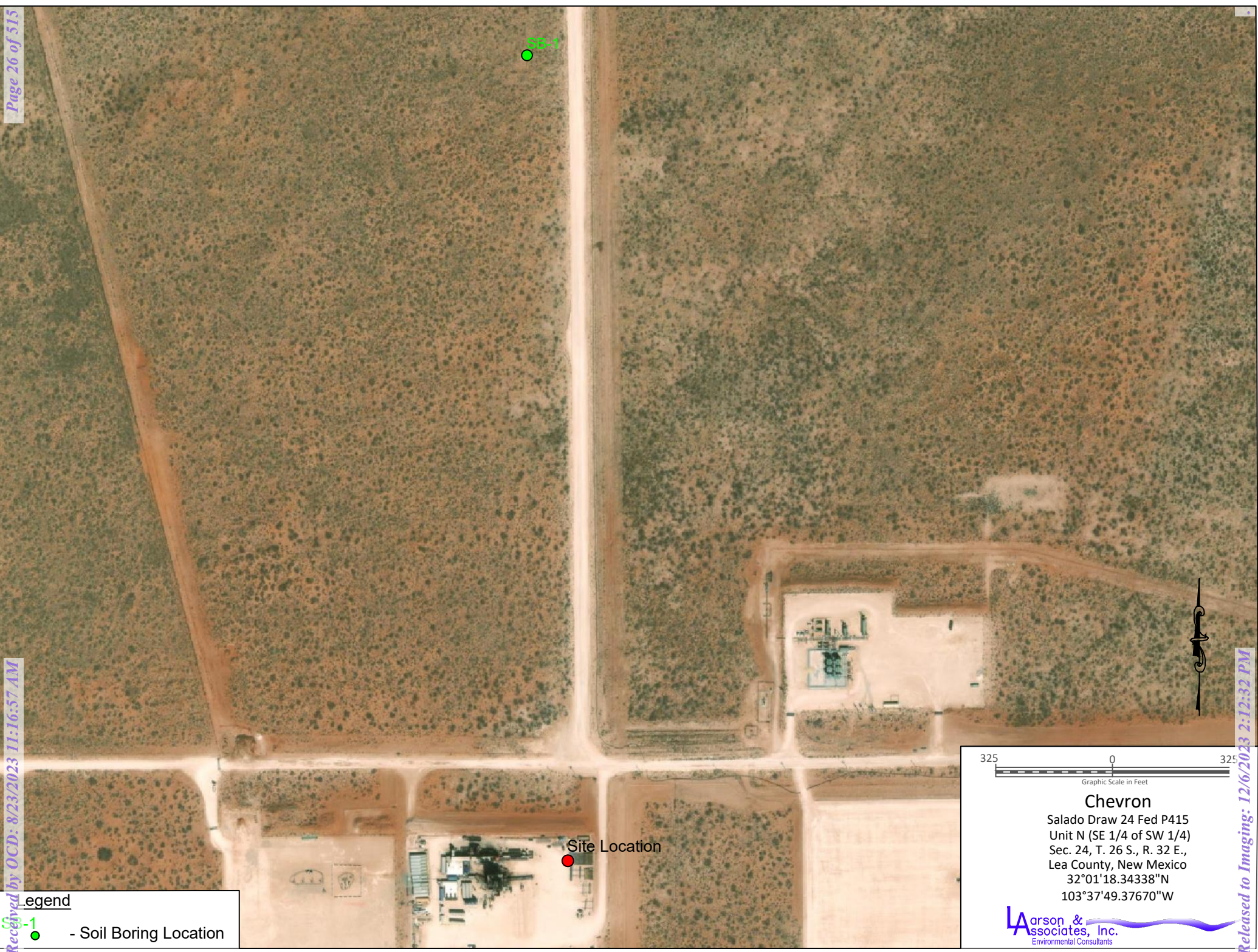


Figure 2 - Aerial Map



Legend

SB-1 - Soil Boring Location

Graphic Scale in Feet

325 0 325

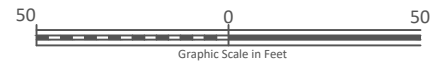
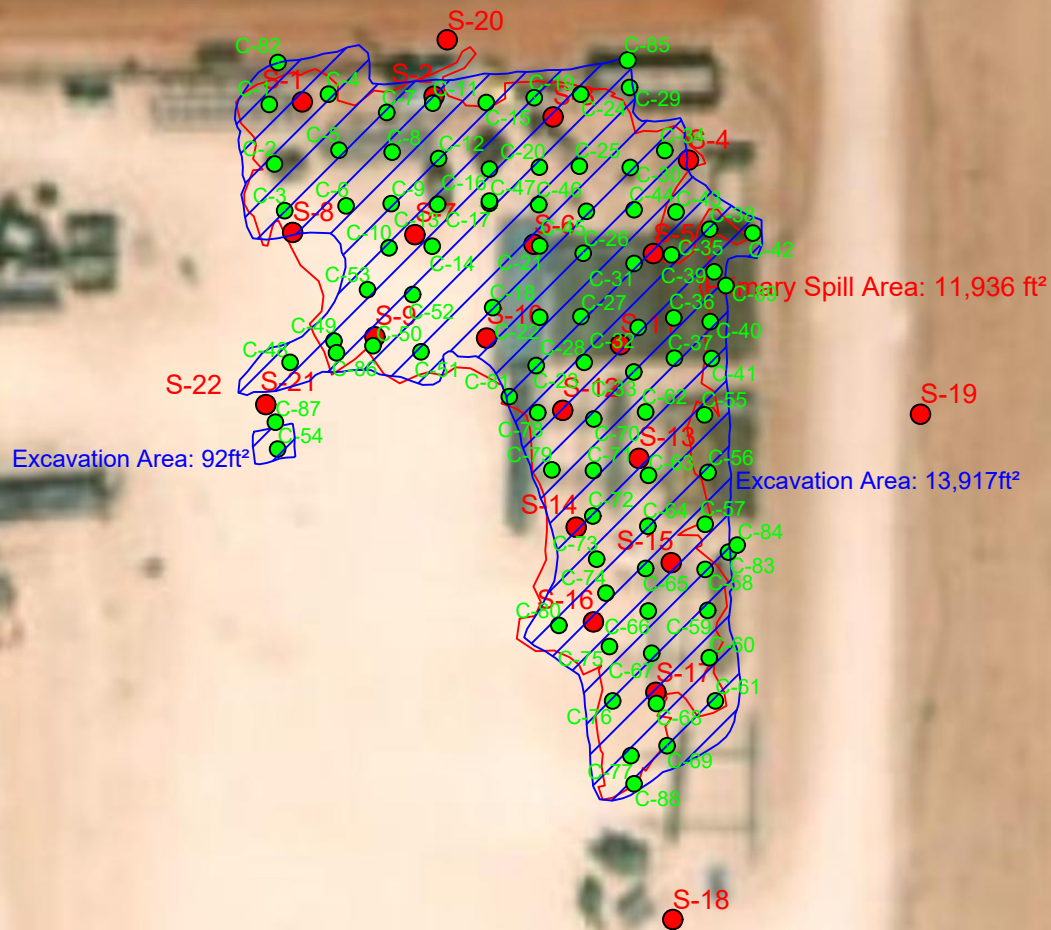
Chevron
Salado Draw 24 Fed P415
Unit N (SE 1/4 of SW 1/4)
Sec. 24, T. 26 S., R. 32 E.,
Lea County, New Mexico
32°01'18.34338"N
103°37'49.37670"W

Larson & Associates, Inc.
Environmental Consultants

Figure 3 - Aerial Map Showing Soil Bore Location

Legend

- Soil Sample Location
- Spill Area 1
- Spill Area 2
- Excavation Area
- Confirmation Sample Location



Chevron

Salado Draw 24 Fed P415
Unit N (SE 1/4 of SW 1/4)
Sec. 24, T. 26 S., R. 32 E.,
Lea County, New Mexico
32°01'18.34338"N
103°37'49.37670"W

Larson &
Associates, Inc.
Environmental Consultants

Figure 4 - Aerial Map Showing Excavation Areas and Confirmation Samples

Appendix A

Initial C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2225428183
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron USA	OGRID: 4323
Contact Name: Amy Barnhill	Contact Telephone: 432-687-7108
Contact email: ABarnhill@chevron.com	Incident # (assigned by OCD)
Contact mailing address: 6301 Deauville Blvd Midland, Tx 79706	

Location of Release Source

Latitude 32.02170 _____ Longitude -103.63134 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Salado Draw Pad 415	Site Type: Oil
Date Release Discovered: 8-27-022	API# (if applicable)

Unit Letter	Section	Township	Range	County
N	24	26S	32E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 101	Volume Recovered (bbls) 15
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

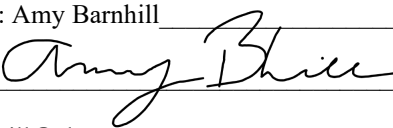
Cause of Release: While pumping down, the discharge line from the boost pump ruptured spilling 101 bbls of produced water to the ground.

Incident ID	nAPP2225428183
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Over 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Amy Barnhill emailed Mike Bratcher on 8-28-22 at 2:20pm.	

Initial Response

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

☒ The source of the release has been stopped.	
☒ The impacted area has been secured to protect human health and the environment.	
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Amy Barnhill	Title: Water Advisor
Signature: 	Date: 9-9-22
email: ABarnhill@chevron.com	Telephone: 432-687-7108
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	nAPP2225428183
District RP	
Facility ID	
Application ID	

Spill Calculations: known volumes

Appendix B
Soil Boring Log

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 10:35 MDT Finish: 15:15 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS	
					PPM X _____										NUMBER	PID READING	RECOVERY DEPTH	BACKGROUND PID READING SOIL : _____ PPM SOIL : _____ PPM	
					2	4	6	8	10	12	14	16	18						
	0	Silty Sand, 5YR 5/4, Reddish Brown, Very Fine Grained Quartz Sand, Poorly Sorted, Dry	ML																
	5														1		7		
	10	Caliche, 2.5YR 8/3, Pink, Very Fine Grained, Poorly Sorted, Dry															10		
	15		Caliche														15		
	20																20		
	25														2		25		
	30	Silty Sand, 5YR 5/4, Reddish Brown, Fine Grained Quartz Sand with Caliche Clasts (~10mm), Poorly Sorted	ML												3		30		
	35	Caliche, 2.5YR 8/3, Pink, Very Fine Grained, Poorly Sorted with Subangular Clasts (~10mm)	Caliche														35		
	40														4		39		
	45	Silty Sand, 5YR 6/4, Light Reddish Brown, Very Fine Grained Quartz Sand, Poorly Sorted with Subangular Caliche Clasts (~10mm)															45		
	50		ML														50		
	55																55		
	60																60		

ONE CONTINUOUS AUGER SAMPLER	WATER TABLE (TIME OF BORING)	JOB NUMBER : <u>Chevron/ 19-0180-01</u>
STANDARD PENETRATION TEST	LABORATORY TEST LOCATION	HOLE DIAMETER : <u>2"</u>
UNDISTURBED SAMPLE	PENETROMETER (TONS/ SQ. FT)	LOCATION : <u>Salado Draw 24 CTB</u> <u>32.0250583° -103.6342389°</u>
WATER TABLE (24 HRS)	NO RECOVERY	LAI GEOLOGIST : <u>E. Chavez</u>
		DRILLING CONTRACTOR : <u>Scarborough</u>
DRILL DATE : <u>04-14-2020</u>		DRILLING METHOD : <u>Air Rotary</u>
BORING NUMBER : <u>SB-01</u>		

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 10:35 MDT Finish: 15:15 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS			
					PPM X _____										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING SOIL : _____ PPM SOIL : _____ PPM		
					2	4	6	8	10	12	14	16	18								
	65	Silty Sand, 5YR 5/6, Yellowish Red, Very Fine Grained, Poorly Sorted with Subangular Caliche and Black Chert Clasts (~0.5mm)	ML												5			66			
	70																				
	75																				
	80																				
	85																				
	90	Silty Sand, 5YR 4/6, Yellowish Red, Fine Grained, Poorly Sorted with Subangular Caliche (~2mm)	ML															90			
	95																				
	100																				
	101.5																				
	105	TD:101.5' Dry After 72 Hours																			



ONE CONTINUOUS AUGER SAMPLER



WATER TABLE (TIME OF BORING)



STANDARD PENETRATION TEST



LABORATORY TEST LOCATION



UNDISTURBED SAMPLE



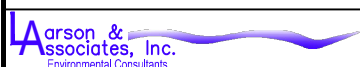
PENETROMETER (TONS/ SQ. FT)



WATER TABLE (24 HRS)



NR NO RECOVERY



DRILL DATE :

04-14-2020

BORING NUMBER :

SB-01

JOB NUMBER : Chevron/ 19-0180-01

HOLE DIAMETER : 2"

LOCATION : Salado Draw 24 CTB
32.0250583°, -103.6342389°

LAI GEOLOGIST : E. Chavez

DRILLING CONTRACTOR : Scarborough

DRILLING METHOD : Air Rotary

Appendix C
Karst Risk Potential



Salado Draw Pad 415

Medium

Appendix D
NMOCD Communications

Robert Nelson

From: Robert Nelson
Sent: Friday, August 4, 2023 8:39 AM
To: Hamlet, Robert, EMNRD; Velez, Nelson, EMNRD
Cc: Barnhill, Amy D.; Mark Larson
Subject: Salado Draw 24 13 Fed P415 (nAPP2225428183) Excavation Backfill Notice
Attachments: Table-2_Confirmation-Sample--Analytical--Summary_SD-24-13-FED-P415_1 (2).pdf;
Figure 4 - Aerial Map Showing Excavation Area further.pdf

Hello Mr. Hamlet and Mr. Velez,

Larson & Associates, Inc. (LAI), on behalf of Chevron USA, submits the attached confirmation (post remediation) laboratory analysis data and sample location map to the New Mexico Oil Conservation Division (OCD) District I for provide two (2) business days notification prior to backfilling the excavation at the Salado Draw 24 13 FED Pad 415 (nAPP2225428183) in Lea County, New Mexico. A deferral for sidewall sample location C-58, C-86, and C-89 has been requested based on proximity to production equipment. Please feel free to contact Amy Barnhill with Chevron at ABarnhill@Chevron.com, Mark Larson at (432) 687-0901 or mark@laenvironmental.com, or me with any questions or concerns.

Thank you,

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



Appendix E
Laboratory Reports

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



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: SD 24 13 Fed P415

Project Number: 22-0105-13

Location:

Lab Order Number: 2I08001



Current Certification

Report Date: 09/09/22

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1,0	2I08001-01	Soil	09/07/22 10:20	09-08-2022 08:36
S-1,0.5	2I08001-02	Soil	09/07/22 10:21	09-08-2022 08:36
S-2,0	2I08001-03	Soil	09/07/22 10:22	09-08-2022 08:36
S-2,0.5	2I08001-04	Soil	09/07/22 10:23	09-08-2022 08:36
S-3,0	2I08001-05	Soil	09/07/22 10:24	09-08-2022 08:36
S-3,0.5	2I08001-06	Soil	09/07/22 10:25	09-08-2022 08:36
S-4,0	2I08001-07	Soil	09/07/22 10:26	09-08-2022 08:36
S-4,0.5	2I08001-08	Soil	09/07/22 10:27	09-08-2022 08:36
S-5,0	2I08001-09	Soil	09/07/22 10:28	09-08-2022 08:36
S-5,0.5	2I08001-10	Soil	09/07/22 10:29	09-08-2022 08:36
S-6,0	2I08001-11	Soil	09/07/22 10:30	09-08-2022 08:36
S-6,0.5	2I08001-12	Soil	09/07/22 10:31	09-08-2022 08:36
S-7,0	2I08001-13	Soil	09/07/22 10:32	09-08-2022 08:36
S-7,0.5	2I08001-14	Soil	09/07/22 10:33	09-08-2022 08:36
S-8,0	2I08001-15	Soil	09/07/22 10:34	09-08-2022 08:36
S-8,0.5	2I08001-16	Soil	09/07/22 10:35	09-08-2022 08:36
S-9,0	2I08001-17	Soil	09/07/22 10:36	09-08-2022 08:36
S-9,0.5	2I08001-18	Soil	09/07/22 10:37	09-08-2022 08:36
S-10,0	2I08001-19	Soil	09/07/22 10:38	09-08-2022 08:36
S-10,0.5	2I08001-20	Soil	09/07/22 10:39	09-08-2022 08:36
S-11,0	2I08001-21	Soil	09/07/22 10:40	09-08-2022 08:36
S-11,0.5	2I08001-22	Soil	09/07/22 10:41	09-08-2022 08:36
S-12,0	2I08001-23	Soil	09/07/22 10:42	09-08-2022 08:36
S-12,0.5	2I08001-24	Soil	09/07/22 10:43	09-08-2022 08:36
S-13,0	2I08001-25	Soil	09/07/22 10:44	09-08-2022 08:36
S-13,0.5	2I08001-26	Soil	09/07/22 10:45	09-08-2022 08:36
S-14,0	2I08001-27	Soil	09/07/22 10:46	09-08-2022 08:36
S-14,0.5	2I08001-28	Soil	09/07/22 10:47	09-08-2022 08:36
S-15,0	2I08001-29	Soil	09/07/22 10:48	09-08-2022 08:36
S-15,0.5	2I08001-30	Soil	09/07/22 10:49	09-08-2022 08:36
S-16,0	2I08001-31	Soil	09/07/22 10:50	09-08-2022 08:36
S-16,0.5	2I08001-32	Soil	09/07/22 10:51	09-08-2022 08:36
S-17,0	2I08001-33	Soil	09/07/22 10:52	09-08-2022 08:36
S-17,0.5	2I08001-34	Soil	09/07/22 10:53	09-08-2022 08:36

Larson & Associates, Inc.	Project: SD 24 13 Fed P415
P.O. Box 50685	Project Number: 22-0105-13
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-18 0-0.5	2I08001-35	Soil	09/07/22 10:54	09-08-2022 08:36
S-19 0-0.5	2I08001-36	Soil	09/07/22 10:55	09-08-2022 08:36
S-20 0-0.5	2I08001-37	Soil	09/07/22 10:56	09-08-2022 08:36
S-21 0-0.5	2I08001-38	Soil	09/07/22 10:57	09-08-2022 08:36

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-1,0
2108001-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:11	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:11	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:11	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:11	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	91.2 %		80-120		P210802	09/08/22 10:03	09/08/22 16:11	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.2 %		80-120		P210802	09/08/22 10:03	09/08/22 16:11	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7230	10.9	mg/kg dry	10	P210810	09/08/22 11:52	09/08/22 14:11	EPA 300.0	
% Moisture	8.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 16:56	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 16:56	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 16:56	TPH 8015M	
Surrogate: 1-Chlorooctane	84.0 %		70-130		P210806	09/08/22 10:37	09/08/22 16:56	TPH 8015M	
Surrogate: o-Terphenyl	89.6 %		70-130		P210806	09/08/22 10:37	09/08/22 16:56	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 16:56	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-1,0.5
2108001-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:32	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:32	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:32	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:32	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.7 %		80-120		P210802	09/08/22 10:03	09/08/22 16:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.5 %		80-120		P210802	09/08/22 10:03	09/08/22 16:32	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7090	11.1	mg/kg dry	10	P210810	09/08/22 11:52	09/08/22 14:51	EPA 300.0	
% Moisture	10.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 17:18	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 17:18	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 17:18	TPH 8015M	
Surrogate: 1-Chlorooctane	81.6 %		70-130		P210806	09/08/22 10:37	09/08/22 17:18	TPH 8015M	
Surrogate: o-Terphenyl	86.2 %		70-130		P210806	09/08/22 10:37	09/08/22 17:18	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 17:18	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-2,0
2108001-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:53	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:53	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:53	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:53	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 16:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	90.7 %		80-120		P210802	09/08/22 10:03	09/08/22 16:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.8 %		80-120		P210802	09/08/22 10:03	09/08/22 16:53	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	14000	26.9	mg/kg dry	25	P210810	09/08/22 11:52	09/08/22 15:04	EPA 300.0	
% Moisture	7.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 17:41	TPH 8015M	
>C12-C28	51.8	26.9	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 17:41	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 17:41	TPH 8015M	
Surrogate: 1-Chlorooctane	81.3 %		70-130		P210806	09/08/22 10:37	09/08/22 17:41	TPH 8015M	
Surrogate: o-Terphenyl	86.7 %		70-130		P210806	09/08/22 10:37	09/08/22 17:41	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	51.8	26.9	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 17:41	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-2,0.5
2108001-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:14	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:14	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:14	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:14	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:14	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.6 %		80-120		P210802	09/08/22 10:03	09/08/22 17:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P210802	09/08/22 10:03	09/08/22 17:14	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3690	5.38	mg/kg dry	5	P210810	09/08/22 11:52	09/08/22 15:17	EPA 300.0	
% Moisture	7.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 18:03	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 18:03	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 18:03	TPH 8015M	
Surrogate: 1-Chlorooctane	83.5 %		70-130		P210806	09/08/22 10:37	09/08/22 18:03	TPH 8015M	
Surrogate: o-Terphenyl	88.1 %		70-130		P210806	09/08/22 10:37	09/08/22 18:03	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 18:03	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-3,0
2108001-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:36	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:36	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:36	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:36	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.2 %		80-120		P210802	09/08/22 10:03	09/08/22 17:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	85.4 %		80-120		P210802	09/08/22 10:03	09/08/22 17:36	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	627	1.08	mg/kg dry	1	P210810	09/08/22 11:52	09/08/22 15:31	EPA 300.0	
% Moisture	7.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 18:25	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 18:25	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 18:25	TPH 8015M	
Surrogate: 1-Chlorooctane	82.2 %		70-130		P210806	09/08/22 10:37	09/08/22 18:25	TPH 8015M	
Surrogate: o-Terphenyl	86.8 %		70-130		P210806	09/08/22 10:37	09/08/22 18:25	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 18:25	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-3,0.5
2108001-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:57	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:57	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:57	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:57	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 17:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.2 %		80-120		P210802	09/08/22 10:03	09/08/22 17:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P210802	09/08/22 10:03	09/08/22 17:57	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	199	1.10	mg/kg dry	1	P210810	09/08/22 11:52	09/08/22 15:44	EPA 300.0	
% Moisture	9.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 18:47	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 18:47	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 18:47	TPH 8015M	
Surrogate: 1-Chlorooctane	82.6 %		70-130		P210806	09/08/22 10:37	09/08/22 18:47	TPH 8015M	
Surrogate: o-Terphenyl	87.9 %		70-130		P210806	09/08/22 10:37	09/08/22 18:47	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 18:47	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-4,0
2108001-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 18:18	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 18:18	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 18:18	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 18:18	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 18:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.8 %		80-120		P210802	09/08/22 10:03	09/08/22 18:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.8 %		80-120		P210802	09/08/22 10:03	09/08/22 18:18	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	15.9	1.04	mg/kg dry	1	P210810	09/08/22 11:52	09/08/22 15:57	EPA 300.0	
% Moisture	4.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 19:09	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 19:09	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 19:09	TPH 8015M	
Surrogate: 1-Chlorooctane	82.2 %		70-130		P210806	09/08/22 10:37	09/08/22 19:09	TPH 8015M	
Surrogate: o-Terphenyl	86.8 %		70-130		P210806	09/08/22 10:37	09/08/22 19:09	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 19:09	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-4,0.5
2108001-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 18:39	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 18:39	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 18:39	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 18:39	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 18:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.0 %		80-120		P210802	09/08/22 10:03	09/08/22 18:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.3 %		80-120		P210802	09/08/22 10:03	09/08/22 18:39	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	27.9	1.11	mg/kg dry	1	P210810	09/08/22 11:52	09/08/22 16:10	EPA 300.0	
% Moisture	10.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 19:32	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 19:32	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 19:32	TPH 8015M	
Surrogate: 1-Chlorooctane	80.4 %		70-130		P210806	09/08/22 10:37	09/08/22 19:32	TPH 8015M	
Surrogate: o-Terphenyl	88.6 %		70-130		P210806	09/08/22 10:37	09/08/22 19:32	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 19:32	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-5,0
2108001-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 19:00	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 19:00	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 19:00	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 19:00	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 19:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.0 %		80-120		P210802	09/08/22 10:03	09/08/22 19:00	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	107 %		80-120		P210802	09/08/22 10:03	09/08/22 19:00	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6650	10.9	mg/kg dry	10	P210810	09/08/22 11:52	09/08/22 16:24	EPA 300.0	
% Moisture	8.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	477	272	mg/kg dry	10	P210806	09/08/22 10:37	09/09/22 08:26	TPH 8015M	
>C12-C28	16600	272	mg/kg dry	10	P210806	09/08/22 10:37	09/09/22 08:26	TPH 8015M	
>C28-C35	437	272	mg/kg dry	10	P210806	09/08/22 10:37	09/09/22 08:26	TPH 8015M	
Surrogate: 1-Chlorooctane	105 %		70-130		P210806	09/08/22 10:37	09/09/22 08:26	TPH 8015M	
Surrogate: o-Terphenyl	122 %		70-130		P210806	09/08/22 10:37	09/09/22 08:26	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	17500	272	mg/kg dry	10	[CALC]	09/08/22 10:37	09/09/22 08:26	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-5,0.5
2108001-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 19:21	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 19:21	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 19:21	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 19:21	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 19:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P210802	09/08/22 10:03	09/08/22 19:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P210802	09/08/22 10:03	09/08/22 19:21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3500	5.49	mg/kg dry	5	P210810	09/08/22 11:52	09/08/22 16:37	EPA 300.0	
% Moisture	9.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 20:16	TPH 8015M	
>C12-C28	122	27.5	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 20:16	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 20:16	TPH 8015M	
Surrogate: 1-Chlorooctane	83.8 %		70-130		P210806	09/08/22 10:37	09/08/22 20:16	TPH 8015M	
Surrogate: o-Terphenyl	89.3 %		70-130		P210806	09/08/22 10:37	09/08/22 20:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	122	27.5	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 20:16	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-6,0
2108001-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 20:24	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 20:24	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 20:24	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 20:24	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 20:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.4 %		80-120		P210802	09/08/22 10:03	09/08/22 20:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P210802	09/08/22 10:03	09/08/22 20:24	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	16400	26.0	mg/kg dry	25	P210810	09/08/22 11:52	09/08/22 17:17	EPA 300.0	
% Moisture	4.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 21:21	TPH 8015M	
>C12-C28	270	26.0	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 21:21	TPH 8015M	
>C28-C35	191	26.0	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 21:21	TPH 8015M	
Surrogate: 1-Chlorooctane	80.4 %		70-130		P210806	09/08/22 10:37	09/08/22 21:21	TPH 8015M	
Surrogate: o-Terphenyl	85.2 %		70-130		P210806	09/08/22 10:37	09/08/22 21:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	462	26.0	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 21:21	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-6,0.5
2108001-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 20:45	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 20:45	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 20:45	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 20:45	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 20:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P210802	09/08/22 10:03	09/08/22 20:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.8 %		80-120		P210802	09/08/22 10:03	09/08/22 20:45	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4210	5.49	mg/kg dry	5	P210810	09/08/22 11:52	09/08/22 17:57	EPA 300.0	
% Moisture	9.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 21:43	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 21:43	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 21:43	TPH 8015M	
Surrogate: 1-Chlorooctane	84.5 %		70-130		P210806	09/08/22 10:37	09/08/22 21:43	TPH 8015M	
Surrogate: o-Terphenyl	91.3 %		70-130		P210806	09/08/22 10:37	09/08/22 21:43	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 21:43	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-7,0
2108001-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:05	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:05	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:05	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:05	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.4 %		80-120		P210802	09/08/22 10:03	09/08/22 21:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.7 %		80-120		P210802	09/08/22 10:03	09/08/22 21:05	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10400	26.0	mg/kg dry	25	P210810	09/08/22 11:52	09/08/22 18:10	EPA 300.0	
% Moisture	4.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 22:05	TPH 8015M	
>C12-C28	362	26.0	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 22:05	TPH 8015M	
>C28-C35	249	26.0	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 22:05	TPH 8015M	
Surrogate: 1-Chlorooctane	83.1 %		70-130		P210806	09/08/22 10:37	09/08/22 22:05	TPH 8015M	
Surrogate: o-Terphenyl	88.8 %		70-130		P210806	09/08/22 10:37	09/08/22 22:05	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	611	26.0	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 22:05	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-7,0.5
2108001-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:26	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:26	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:26	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:26	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P210802	09/08/22 10:03	09/08/22 21:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	91.9 %		80-120		P210802	09/08/22 10:03	09/08/22 21:26	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4610	5.49	mg/kg dry	5	P210810	09/08/22 11:52	09/08/22 18:24	EPA 300.0	
% Moisture	9.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 22:27	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 22:27	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 22:27	TPH 8015M	
Surrogate: 1-Chlorooctane	85.3 %		70-130		P210806	09/08/22 10:37	09/08/22 22:27	TPH 8015M	
Surrogate: o-Terphenyl	90.6 %		70-130		P210806	09/08/22 10:37	09/08/22 22:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 22:27	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-8,0
2108001-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:47	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:47	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:47	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:47	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 21:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P210802	09/08/22 10:03	09/08/22 21:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.7 %		80-120		P210802	09/08/22 10:03	09/08/22 21:47	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7300	10.3	mg/kg dry	10	P210810	09/08/22 11:52	09/08/22 18:37	EPA 300.0	
% Moisture	3.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 22:48	TPH 8015M	
>C12-C28	220	25.8	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 22:48	TPH 8015M	
>C28-C35	74.4	25.8	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 22:48	TPH 8015M	
Surrogate: 1-Chlorooctane	82.5 %		70-130		P210806	09/08/22 10:37	09/08/22 22:48	TPH 8015M	
Surrogate: o-Terphenyl	88.3 %		70-130		P210806	09/08/22 10:37	09/08/22 22:48	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	295	25.8	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 22:48	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-8,0.5
2108001-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00112	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:08	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:08	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:08	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:08	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	91.2 %		80-120		P210802	09/08/22 10:03	09/08/22 22:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P210802	09/08/22 10:03	09/08/22 22:08	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7940	11.2	mg/kg dry	10	P210810	09/08/22 11:52	09/08/22 18:50	EPA 300.0	
% Moisture	11.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 23:10	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 23:10	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 23:10	TPH 8015M	
Surrogate: 1-Chlorooctane	84.2 %		70-130		P210806	09/08/22 10:37	09/08/22 23:10	TPH 8015M	
Surrogate: o-Terphenyl	90.2 %		70-130		P210806	09/08/22 10:37	09/08/22 23:10	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 23:10	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-9,0
2108001-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:29	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:29	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:29	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:29	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	79.9 %		80-120		P210802	09/08/22 10:03	09/08/22 22:29	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	97.4 %		80-120		P210802	09/08/22 10:03	09/08/22 22:29	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	31700	53.2	mg/kg dry	50	P210810	09/08/22 11:52	09/08/22 19:04	EPA 300.0	
% Moisture	6.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 23:32	TPH 8015M	
>C12-C28	3670	26.6	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 23:32	TPH 8015M	
>C28-C35	2000	26.6	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 23:32	TPH 8015M	
Surrogate: 1-Chlorooctane	83.1 %		70-130		P210806	09/08/22 10:37	09/08/22 23:32	TPH 8015M	
Surrogate: o-Terphenyl	89.2 %		70-130		P210806	09/08/22 10:37	09/08/22 23:32	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	5670	26.6	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 23:32	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-9,0.5
2108001-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:49	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:49	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:49	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:49	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 22:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.8 %		80-120		P210802	09/08/22 10:03	09/08/22 22:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.9 %		80-120		P210802	09/08/22 10:03	09/08/22 22:49	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5200	10.9	mg/kg dry	10	P210810	09/08/22 11:52	09/08/22 19:17	EPA 300.0	
% Moisture	8.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 23:54	TPH 8015M	
>C12-C28	66.7	27.2	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 23:54	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P210806	09/08/22 10:37	09/08/22 23:54	TPH 8015M	
Surrogate: 1-Chlorooctane	85.8 %		70-130		P210806	09/08/22 10:37	09/08/22 23:54	TPH 8015M	
Surrogate: o-Terphenyl	91.3 %		70-130		P210806	09/08/22 10:37	09/08/22 23:54	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	66.7	27.2	mg/kg dry	1	[CALC]	09/08/22 10:37	09/08/22 23:54	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-10,0
2108001-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 23:10	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 23:10	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 23:10	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 23:10	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 23:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.2 %		80-120		P210802	09/08/22 10:03	09/08/22 23:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P210802	09/08/22 10:03	09/08/22 23:10	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	37600	51.5	mg/kg dry	50	P210810	09/08/22 11:52	09/08/22 19:31	EPA 300.0	
% Moisture	3.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P210806	09/08/22 10:37	09/09/22 00:16	TPH 8015M	
>C12-C28	420	25.8	mg/kg dry	1	P210806	09/08/22 10:37	09/09/22 00:16	TPH 8015M	
>C28-C35	339	25.8	mg/kg dry	1	P210806	09/08/22 10:37	09/09/22 00:16	TPH 8015M	
Surrogate: 1-Chlorooctane	84.6 %		70-130		P210806	09/08/22 10:37	09/09/22 00:16	TPH 8015M	
Surrogate: o-Terphenyl	89.4 %		70-130		P210806	09/08/22 10:37	09/09/22 00:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	759	25.8	mg/kg dry	1	[CALC]	09/08/22 10:37	09/09/22 00:16	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-10,0.5
2108001-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 23:31	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 23:31	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 23:31	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 23:31	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P210802	09/08/22 10:03	09/08/22 23:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.4 %		80-120		P210802	09/08/22 10:03	09/08/22 23:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.8 %		80-120		P210802	09/08/22 10:03	09/08/22 23:31	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6730	10.8	mg/kg dry	10	P210810	09/08/22 11:52	09/08/22 19:44	EPA 300.0	
% Moisture	7.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P210806	09/08/22 10:37	09/09/22 00:39	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P210806	09/08/22 10:37	09/09/22 00:39	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P210806	09/08/22 10:37	09/09/22 00:39	TPH 8015M	
Surrogate: 1-Chlorooctane	80.2 %		70-130		P210806	09/08/22 10:37	09/09/22 00:39	TPH 8015M	
Surrogate: o-Terphenyl	85.2 %		70-130		P210806	09/08/22 10:37	09/09/22 00:39	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/08/22 10:37	09/09/22 00:39	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-11,0
2108001-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 08:51	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 08:51	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 08:51	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 08:51	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 08:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.4 %		80-120		P210803	09/08/22 10:05	09/09/22 08:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.8 %		80-120		P210803	09/08/22 10:05	09/09/22 08:51	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11300	26.3	mg/kg dry	25	P210811	09/08/22 11:54	09/08/22 21:04	EPA 300.0	
% Moisture	5.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 17:36	TPH 8015M	
>C12-C28	91.3	26.3	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 17:36	TPH 8015M	
>C28-C35	70.8	26.3	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 17:36	TPH 8015M	
Surrogate: 1-Chlorooctane	72.3 %		70-130		P210807	09/08/22 10:39	09/08/22 17:36	TPH 8015M	
Surrogate: o-Terphenyl	69.7 %		70-130		P210807	09/08/22 10:39	09/08/22 17:36	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	162	26.3	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 17:36	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-11,0.5
2108001-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:12	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:12	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:12	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:12	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P210803	09/08/22 10:05	09/09/22 09:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P210803	09/08/22 10:05	09/09/22 09:12	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5860	11.0	mg/kg dry	10	P210811	09/08/22 11:54	09/08/22 21:44	EPA 300.0	
% Moisture	9.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 18:00	TPH 8015M	
>C12-C28	66.8	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 18:00	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 18:00	TPH 8015M	
Surrogate: 1-Chlorooctane	73.5 %		70-130		P210807	09/08/22 10:39	09/08/22 18:00	TPH 8015M	
Surrogate: o-Terphenyl	70.8 %		70-130		P210807	09/08/22 10:39	09/08/22 18:00	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	66.8	27.5	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 18:00	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-12,0
2108001-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:33	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:33	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:33	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:33	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.7 %		80-120		P210803	09/08/22 10:05	09/09/22 09:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.0 %		80-120		P210803	09/08/22 10:05	09/09/22 09:33	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8420	10.4	mg/kg dry	10	P210811	09/08/22 11:54	09/08/22 21:57	EPA 300.0	
% Moisture	4.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 18:24	TPH 8015M	
>C12-C28	160	26.0	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 18:24	TPH 8015M	
>C28-C35	90.5	26.0	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 18:24	TPH 8015M	
Surrogate: 1-Chlorooctane	75.4 %		70-130		P210807	09/08/22 10:39	09/08/22 18:24	TPH 8015M	
Surrogate: o-Terphenyl	70.8 %		70-130		P210807	09/08/22 10:39	09/08/22 18:24	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	250	26.0	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 18:24	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-12,0.5
2108001-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:54	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:54	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:54	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:54	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 09:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.5 %		80-120		P210803	09/08/22 10:05	09/09/22 09:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P210803	09/08/22 10:05	09/09/22 09:54	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3640	5.49	mg/kg dry	5	P210811	09/08/22 11:54	09/08/22 22:11	EPA 300.0	
% Moisture	9.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 18:47	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 18:47	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 18:47	TPH 8015M	
Surrogate: 1-Chlorooctane	72.6 %		70-130		P210807	09/08/22 10:39	09/08/22 18:47	TPH 8015M	
Surrogate: o-Terphenyl	68.7 %		70-130		P210807	09/08/22 10:39	09/08/22 18:47	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 18:47	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-13,0
2108001-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:15	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:15	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:15	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:15	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.7 %		80-120		P210803	09/08/22 10:05	09/09/22 10:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	91.4 %		80-120		P210803	09/08/22 10:05	09/09/22 10:15	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5740	10.5	mg/kg dry	10	P210811	09/08/22 11:54	09/08/22 22:24	EPA 300.0	
% Moisture	5.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 19:11	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 19:11	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 19:11	TPH 8015M	
Surrogate: 1-Chlorooctane	74.0 %		70-130		P210807	09/08/22 10:39	09/08/22 19:11	TPH 8015M	
Surrogate: o-Terphenyl	65.6 %		70-130		P210807	09/08/22 10:39	09/08/22 19:11	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 19:11	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-13,0.5
2108001-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:36	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:36	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:36	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:36	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.5 %		80-120		P210803	09/08/22 10:05	09/09/22 10:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.1 %		80-120		P210803	09/08/22 10:05	09/09/22 10:36	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4690	11.0	mg/kg dry	10	P210811	09/08/22 11:54	09/08/22 22:37	EPA 300.0	
% Moisture	9.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 19:34	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 19:34	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 19:34	TPH 8015M	
Surrogate: 1-Chlorooctane	76.5 %		70-130		P210807	09/08/22 10:39	09/08/22 19:34	TPH 8015M	
Surrogate: o-Terphenyl	68.8 %		70-130		P210807	09/08/22 10:39	09/08/22 19:34	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 19:34	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-14,0
2108001-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:58	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:58	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:58	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:58	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 10:58	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.6 %		80-120		P210803	09/08/22 10:05	09/09/22 10:58	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.8 %		80-120		P210803	09/08/22 10:05	09/09/22 10:58	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	15000	26.3	mg/kg dry	25	P210811	09/08/22 11:54	09/08/22 22:51	EPA 300.0	
% Moisture	5.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 19:57	TPH 8015M	
>C12-C28	119	26.3	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 19:57	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 19:57	TPH 8015M	
Surrogate: 1-Chlorooctane	75.1 %		70-130		P210807	09/08/22 10:39	09/08/22 19:57	TPH 8015M	
Surrogate: o-Terphenyl	70.3 %		70-130		P210807	09/08/22 10:39	09/08/22 19:57	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	119	26.3	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 19:57	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-14,0.5
2108001-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 11:19	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 11:19	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 11:19	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 11:19	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 11:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P210803	09/08/22 10:05	09/09/22 11:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.8 %		80-120		P210803	09/08/22 10:05	09/09/22 11:19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3700	5.43	mg/kg dry	5	P210811	09/08/22 11:54	09/08/22 23:04	EPA 300.0	
% Moisture	8.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 20:21	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 20:21	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 20:21	TPH 8015M	
Surrogate: 1-Chlorooctane	78.1 %		70-130		P210807	09/08/22 10:39	09/08/22 20:21	TPH 8015M	
Surrogate: o-Terphenyl	72.0 %		70-130		P210807	09/08/22 10:39	09/08/22 20:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 20:21	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-15,0
2108001-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 11:40	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 11:40	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 11:40	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 11:40	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 11:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.7 %		80-120		P210803	09/08/22 10:05	09/09/22 11:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.8 %		80-120		P210803	09/08/22 10:05	09/09/22 11:40	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8540	10.6	mg/kg dry	10	P210811	09/08/22 11:54	09/08/22 23:17	EPA 300.0	
% Moisture	6.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 20:44	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 20:44	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 20:44	TPH 8015M	
Surrogate: 1-Chlorooctane	74.4 %		70-130		P210807	09/08/22 10:39	09/08/22 20:44	TPH 8015M	
Surrogate: o-Terphenyl	71.6 %		70-130		P210807	09/08/22 10:39	09/08/22 20:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 20:44	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-15,0.5
2108001-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 12:01	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 12:01	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 12:01	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 12:01	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 12:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.3 %		80-120		P210803	09/08/22 10:05	09/09/22 12:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.7 %		80-120		P210803	09/08/22 10:05	09/09/22 12:01	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5090	11.1	mg/kg dry	10	P210811	09/08/22 11:54	09/08/22 23:30	EPA 300.0	
% Moisture	10.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 21:07	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 21:07	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 21:07	TPH 8015M	
Surrogate: 1-Chlorooctane	70.6 %		70-130		P210807	09/08/22 10:39	09/08/22 21:07	TPH 8015M	
Surrogate: o-Terphenyl	71.9 %		70-130		P210807	09/08/22 10:39	09/08/22 21:07	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 21:07	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-16,0
2108001-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:05	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:05	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:05	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:05	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.5 %		80-120		P210803	09/08/22 10:05	09/09/22 13:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P210803	09/08/22 10:05	09/09/22 13:05	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11000	26.9	mg/kg dry	25	P210811	09/08/22 11:54	09/09/22 00:10	EPA 300.0	
% Moisture	7.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 22:16	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 22:16	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 22:16	TPH 8015M	
Surrogate: 1-Chlorooctane	71.8 %		70-130		P210807	09/08/22 10:39	09/08/22 22:16	TPH 8015M	
Surrogate: o-Terphenyl	72.0 %		70-130		P210807	09/08/22 10:39	09/08/22 22:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 22:16	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-16,0.5
2108001-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:26	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:26	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:26	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:26	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.5 %		80-120		P210803	09/08/22 10:05	09/09/22 13:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.6 %		80-120		P210803	09/08/22 10:05	09/09/22 13:26	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5120	11.0	mg/kg dry	10	P210811	09/08/22 11:54	09/09/22 00:50	EPA 300.0	
% Moisture	9.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 22:39	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 22:39	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 22:39	TPH 8015M	
Surrogate: 1-Chlorooctane	71.4 %		70-130		P210807	09/08/22 10:39	09/08/22 22:39	TPH 8015M	
Surrogate: o-Terphenyl	70.9 %		70-130		P210807	09/08/22 10:39	09/08/22 22:39	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 22:39	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-17,0
2108001-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:47	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:47	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:47	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:47	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 13:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.7 %		80-120		P210803	09/08/22 10:05	09/09/22 13:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.4 %		80-120		P210803	09/08/22 10:05	09/09/22 13:47	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7630	11.0	mg/kg dry	10	P210811	09/08/22 11:54	09/09/22 01:03	EPA 300.0	
% Moisture	9.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 23:02	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 23:02	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 23:02	TPH 8015M	
Surrogate: 1-Chlorooctane	71.0 %		70-130		P210807	09/08/22 10:39	09/08/22 23:02	TPH 8015M	
Surrogate: o-Terphenyl	70.3 %		70-130		P210807	09/08/22 10:39	09/08/22 23:02	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 23:02	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-17,0.5
2108001-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:09	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:09	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:09	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:09	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P210803	09/08/22 10:05	09/09/22 14:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.6 %		80-120		P210803	09/08/22 10:05	09/09/22 14:09	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4810	10.9	mg/kg dry	10	P210811	09/08/22 11:54	09/09/22 01:17	EPA 300.0	
% Moisture	8.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 23:25	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 23:25	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 23:25	TPH 8015M	
Surrogate: 1-Chlorooctane	72.2 %		70-130		P210807	09/08/22 10:39	09/08/22 23:25	TPH 8015M	
Surrogate: o-Terphenyl	70.3 %		70-130		P210807	09/08/22 10:39	09/08/22 23:25	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 23:25	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-18 0-0.5
2108001-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:30	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:30	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:30	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:30	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.5 %		80-120		P210803	09/08/22 10:05	09/09/22 14:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P210803	09/08/22 10:05	09/09/22 14:30	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	98.8	1.08	mg/kg dry	1	P210811	09/08/22 11:54	09/09/22 01:30	EPA 300.0	
% Moisture	7.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 23:48	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 23:48	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P210807	09/08/22 10:39	09/08/22 23:48	TPH 8015M	
Surrogate: 1-Chlorooctane	72.2 %		70-130		P210807	09/08/22 10:39	09/08/22 23:48	TPH 8015M	
Surrogate: o-Terphenyl	70.0 %		70-130		P210807	09/08/22 10:39	09/08/22 23:48	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/08/22 10:39	09/08/22 23:48	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-19 0-0.5
2108001-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00102	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:51	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:51	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:51	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:51	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 14:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.6 %		80-120		P210803	09/08/22 10:05	09/09/22 14:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P210803	09/08/22 10:05	09/09/22 14:51	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4.73	1.02	mg/kg dry	1	P210811	09/08/22 11:54	09/09/22 01:43	EPA 300.0	
% Moisture	2.0	0.1	%	1	P210902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P210807	09/08/22 10:39	09/09/22 00:12	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P210807	09/08/22 10:39	09/09/22 00:12	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P210807	09/08/22 10:39	09/09/22 00:12	TPH 8015M	
Surrogate: 1-Chlorooctane	72.1 %		70-130		P210807	09/08/22 10:39	09/09/22 00:12	TPH 8015M	
Surrogate: o-Terphenyl	70.4 %		70-130		P210807	09/08/22 10:39	09/09/22 00:12	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/08/22 10:39	09/09/22 00:12	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-20 0-0.5
2108001-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 15:13	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 15:13	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 15:13	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 15:13	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 15:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.3 %		80-120		P210803	09/08/22 10:05	09/09/22 15:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P210803	09/08/22 10:05	09/09/22 15:13	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	14.0	1.01	mg/kg dry	1	P210811	09/08/22 11:54	09/09/22 01:56	EPA 300.0	
% Moisture	1.0	0.1	%	1	P210903	09/09/22 09:39	09/09/22 09:41	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P210807	09/08/22 10:39	09/09/22 00:35	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P210807	09/08/22 10:39	09/09/22 00:35	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P210807	09/08/22 10:39	09/09/22 00:35	TPH 8015M	
Surrogate: 1-Chlorooctane	73.1 %		70-130		P210807	09/08/22 10:39	09/09/22 00:35	TPH 8015M	
Surrogate: o-Terphenyl	71.5 %		70-130		P210807	09/08/22 10:39	09/09/22 00:35	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/08/22 10:39	09/09/22 00:35	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

S-21 0-0.5
2108001-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 15:34	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 15:34	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 15:34	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 15:34	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P210803	09/08/22 10:05	09/09/22 15:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.1 %		80-120		P210803	09/08/22 10:05	09/09/22 15:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.1 %		80-120		P210803	09/08/22 10:05	09/09/22 15:34	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	142	1.05	mg/kg dry	1	P210811	09/08/22 11:54	09/09/22 02:10	EPA 300.0	
% Moisture	5.0	0.1	%	1	P210903	09/09/22 09:39	09/09/22 09:41	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P210807	09/08/22 10:39	09/09/22 00:58	TPH 8015M	
>C12-C28	505	26.3	mg/kg dry	1	P210807	09/08/22 10:39	09/09/22 00:58	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P210807	09/08/22 10:39	09/09/22 00:58	TPH 8015M	
Surrogate: 1-Chlorooctane	71.7 %		70-130		P210807	09/08/22 10:39	09/09/22 00:58	TPH 8015M	
Surrogate: o-Terphenyl	84.4 %		70-130		P210807	09/08/22 10:39	09/09/22 00:58	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	505	26.3	mg/kg dry	1	[CALC]	09/08/22 10:39	09/09/22 00:58	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2I0802 - * DEFAULT PREP *****

Blank (P2I0802-BLK1)

Prepared & Analyzed: 09/08/22

Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.1	80-120			

LCS (P2I0802-BS1)

Prepared & Analyzed: 09/08/22

Benzene	0.105	0.00100	mg/kg	0.100		105	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.204	0.00200	"	0.200		102	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		94.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.1	80-120			

LCS Dup (P2I0802-BSD1)

Prepared & Analyzed: 09/08/22

Benzene	0.109	0.00100	mg/kg	0.100		109	80-120	4.08	20	
Toluene	0.112	0.00100	"	0.100		112	80-120	7.75	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120	9.42	20	
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120	8.29	20	
Xylene (o)	0.116	0.00100	"	0.100		116	80-120	8.16	20	
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			

Calibration Check (P2I0802-CCV1)

Prepared & Analyzed: 09/08/22

Benzene	0.0847	0.00100	mg/kg	0.102		83.1	80-120			
Toluene	0.0925	0.00100	"	0.102		90.7	80-120			
Ethylbenzene	0.0871	0.00100	"	0.102		85.4	80-120			
Xylene (p/m)	0.161	0.00200	"	0.204		79.1	80-120			
Xylene (o)	0.0905	0.00100	"	0.102		88.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.0941		"	0.120		78.4	75-125			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2I0802 - * DEFAULT PREP *****

Calibration Check (P2I0802-CCV2)

Prepared & Analyzed: 09/08/22

Benzene	0.105	0.00100	mg/kg	0.102		103	80-120			
Toluene	0.107	0.00100	"	0.102		105	80-120			
Ethylbenzene	0.108	0.00100	"	0.102		106	80-120			
Xylene (p/m)	0.196	0.00200	"	0.204		95.8	80-120			
Xylene (o)	0.112	0.00100	"	0.102		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		96.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	75-125			

Calibration Check (P2I0802-CCV3)

Prepared: 09/08/22 Analyzed: 09/09/22

Benzene	0.108	0.00100	mg/kg	0.102		106	80-120			
Toluene	0.110	0.00100	"	0.102		108	80-120			
Ethylbenzene	0.114	0.00100	"	0.102		112	80-120			
Xylene (p/m)	0.206	0.00200	"	0.204		101	80-120			
Xylene (o)	0.117	0.00100	"	0.102		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.6	75-125			

Matrix Spike (P2I0802-MS1)

Source: 2108001-20

Prepared & Analyzed: 09/08/22

Benzene	0.0997	0.00108	mg/kg dry	0.108	ND	92.8	80-120			
Toluene	0.0939	0.00108	"	0.108	ND	87.4	80-120			
Ethylbenzene	0.0960	0.00108	"	0.108	ND	89.3	80-120			
Xylene (p/m)	0.169	0.00215	"	0.215	ND	78.6	80-120			QM-05
Xylene (o)	0.0920	0.00108	"	0.108	ND	85.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.134		"	0.129		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.129		101	80-120			

Matrix Spike Dup (P2I0802-MSD1)

Source: 2108001-20

Prepared: 09/08/22 Analyzed: 09/09/22

Benzene	0.0902	0.00108	mg/kg dry	0.108	ND	83.9	80-120	10.0	20	
Toluene	0.0872	0.00108	"	0.108	ND	81.1	80-120	7.41	20	
Ethylbenzene	0.0866	0.00108	"	0.108	ND	80.6	80-120	10.3	20	
Xylene (p/m)	0.145	0.00215	"	0.215	ND	67.4	80-120	15.3	20	QM-05
Xylene (o)	0.0760	0.00108	"	0.108	ND	70.7	80-120	19.1	20	QM-05
Surrogate: 1,4-Difluorobenzene	0.137		"	0.129		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.129		101	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2I0803 - * DEFAULT PREP *****

Blank (P2I0803-BLK1)

Prepared: 09/08/22 Analyzed: 09/09/22

Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	80-120			

LCS (P2I0803-BS1)

Prepared: 09/08/22 Analyzed: 09/09/22

Benzene	0.117	0.00100	mg/kg	0.100		117	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.0	80-120			

LCS Dup (P2I0803-BSD1)

Prepared: 09/08/22 Analyzed: 09/09/22

Benzene	0.115	0.00100	mg/kg	0.100		115	80-120	1.92	20	
Toluene	0.110	0.00100	"	0.100		110	80-120	5.68	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	0.490	20	
Xylene (p/m)	0.217	0.00200	"	0.200		108	80-120	2.88	20	
Xylene (o)	0.113	0.00100	"	0.100		113	80-120	3.05	20	
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Calibration Check (P2I0803-CCV1)

Prepared: 09/08/22 Analyzed: 09/09/22

Benzene	0.108	0.00100	mg/kg	0.102		106	80-120			
Toluene	0.110	0.00100	"	0.102		108	80-120			
Ethylbenzene	0.114	0.00100	"	0.102		112	80-120			
Xylene (p/m)	0.206	0.00200	"	0.204		101	80-120			
Xylene (o)	0.117	0.00100	"	0.102		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.6	75-125			

Permian Basin Environmental Lab, L.P.

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Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2I0803 - * DEFAULT PREP *****

Calibration Check (P2I0803-CCV2)

Prepared: 09/08/22 Analyzed: 09/09/22

Benzene	0.113	0.00100	mg/kg	0.102		111	80-120			
Toluene	0.116	0.00100	"	0.102		114	80-120			
Ethylbenzene	0.112	0.00100	"	0.102		110	80-120			
Xylene (p/m)	0.232	0.00200	"	0.204		114	80-120			
Xylene (o)	0.120	0.00100	"	0.102		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			

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Larson & Associates, Inc.
P.O. Box 50685
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Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2I0810 - * DEFAULT PREP *****

Blank (P2I0810-BLK1)

Prepared & Analyzed: 09/08/22

Chloride	ND	1.00	mg/kg
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LCS (P2I0810-BS1)

Prepared & Analyzed: 09/08/22

Chloride	36.8		mg/kg	40.0	92.1	90-110
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LCS Dup (P2I0810-BSD1)

Prepared & Analyzed: 09/08/22

Chloride	36.8		mg/kg	40.0	92.0	90-110	0.0923	10
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Calibration Blank (P2I0810-CCB1)

Prepared & Analyzed: 09/08/22

Chloride	0.00		mg/kg
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Calibration Blank (P2I0810-CCB2)

Prepared & Analyzed: 09/08/22

Chloride	0.00		mg/kg
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Calibration Check (P2I0810-CCV1)

Prepared & Analyzed: 09/08/22

Chloride	19.5		mg/kg	20.0	97.4	90-110
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Calibration Check (P2I0810-CCV2)

Prepared & Analyzed: 09/08/22

Chloride	19.8		mg/kg	20.0	99.0	90-110
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Calibration Check (P2I0810-CCV3)

Prepared & Analyzed: 09/08/22

Chloride	19.6		mg/kg	20.0	97.9	90-110
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Matrix Spike (P2I0810-MS1)

Source: 2I08001-01

Prepared & Analyzed: 09/08/22

Chloride	7700	10.9	mg/kg dry	543	7230	86.9	80-120
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Matrix Spike (P2I0810-MS2)

Source: 2I08001-11

Prepared & Analyzed: 09/08/22

Chloride	17800	26.0	mg/kg dry	1300	16400	109	80-120
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Larson & Associates, Inc.
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Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2I0810 - * DEFAULT PREP *****

Matrix Spike Dup (P2I0810-MSD1)	Source: 2I08001-01			Prepared & Analyzed: 09/08/22						
Chloride	7620	10.9	mg/kg dry	543	7230	70.9	80-120	1.13	20	QM-05

Matrix Spike Dup (P2I0810-MSD2)	Source: 2I08001-11			Prepared & Analyzed: 09/08/22						
Chloride	17800	26.0	mg/kg dry	1300	16400	109	80-120	0.0366	20	

Batch P2I0811 - * DEFAULT PREP *****

Blank (P2I0811-BLK1)				Prepared & Analyzed: 09/08/22						
Chloride	ND	1.00	mg/kg							

LCS (P2I0811-BS1)				Prepared & Analyzed: 09/08/22						
Chloride	38.5		mg/kg	40.0		96.3	90-110			

LCS Dup (P2I0811-BSD1)				Prepared & Analyzed: 09/08/22						
Chloride	38.1		mg/kg	40.0		95.3	90-110	1.00	10	

Calibration Blank (P2I0811-CCB1)				Prepared & Analyzed: 09/08/22						
Chloride	0.00		mg/kg							

Calibration Blank (P2I0811-CCB2)				Prepared & Analyzed: 09/08/22						
Chloride	0.00		mg/kg							

Calibration Check (P2I0811-CCV1)				Prepared & Analyzed: 09/08/22						
Chloride	19.6		mg/kg	20.0		97.9	90-110			

Calibration Check (P2I0811-CCV2)				Prepared & Analyzed: 09/08/22						
Chloride	19.9		mg/kg	20.0		99.3	90-110			

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Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2I0811 - * DEFAULT PREP *****

Calibration Check (P2I0811-CCV3)

Prepared: 09/08/22 Analyzed: 09/09/22

Chloride	19.9		mg/kg	20.0		99.7	90-110			
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Matrix Spike (P2I0811-MS1)

Source: 2108001-21

Prepared & Analyzed: 09/08/22

Chloride	12400	26.3	mg/kg dry	1320	11300	88.3	80-120			
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Matrix Spike (P2I0811-MS2)

Source: 2108001-31

Prepared: 09/08/22 Analyzed: 09/09/22

Chloride	12100	26.9	mg/kg dry	1340	11000	85.3	80-120			
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Matrix Spike Dup (P2I0811-MSD1)

Source: 2108001-21

Prepared & Analyzed: 09/08/22

Chloride	12600	26.3	mg/kg dry	1320	11300	101	80-120	1.34	20	
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Matrix Spike Dup (P2I0811-MSD2)

Source: 2108001-31

Prepared: 09/08/22 Analyzed: 09/09/22

Chloride	12100	26.9	mg/kg dry	1340	11000	82.9	80-120	0.265	20	
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Batch P2I0902 - * DEFAULT PREP *****

Blank (P2I0902-BLK1)

Prepared & Analyzed: 09/09/22

% Moisture	ND	0.1	%							
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Blank (P2I0902-BLK2)

Prepared & Analyzed: 09/09/22

% Moisture	ND	0.1	%							
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Duplicate (P2I0902-DUP1)

Source: 2107002-03

Prepared & Analyzed: 09/09/22

% Moisture	13.0	0.1	%		5.0			88.9	20	R3
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Duplicate (P2I0902-DUP2)

Source: 2108001-06

Prepared & Analyzed: 09/09/22

% Moisture	9.0	0.1	%		9.0			0.00	20	
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2I0902 - * DEFAULT PREP *****

Duplicate (P2I0902-DUP3)	Source: 2I08001-21			Prepared & Analyzed: 09/09/22						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P2I0902-DUP4)	Source: 2I08001-31			Prepared & Analyzed: 09/09/22						
% Moisture	7.0	0.1	%		7.0			0.00	20	

Batch P2I0903 - * DEFAULT PREP *****

Blank (P2I0903-BLK1)				Prepared & Analyzed: 09/09/22						
% Moisture	ND	0.1	%							
Duplicate (P2I0903-DUP1)	Source: 2I08001-38			Prepared & Analyzed: 09/09/22						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P2I0903-DUP2)	Source: 2I07011-07			Prepared & Analyzed: 09/09/22						
% Moisture	6.0	0.1	%		7.0			15.4	20	

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P210806 - TX 1005

Blank (P210806-BLK1)

Prepared & Analyzed: 09/08/22

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	85.2		"	100		85.2	70-130			
Surrogate: o-Terphenyl	44.5		"	50.0		89.0	70-130			

LCS (P210806-BS1)

Prepared & Analyzed: 09/08/22

C6-C12	768	25.0	mg/kg	1000		76.8	75-125			
>C12-C28	788	25.0	"	1000		78.8	75-125			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	48.8		"	50.0		97.5	70-130			

LCS Dup (P210806-BSD1)

Prepared & Analyzed: 09/08/22

C6-C12	760	25.0	mg/kg	1000		76.0	75-125	1.14	20	
>C12-C28	781	25.0	"	1000		78.1	75-125	0.883	20	
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	48.4		"	50.0		96.8	70-130			

Calibration Check (P210806-CCV1)

Prepared & Analyzed: 09/08/22

C6-C12	431	25.0	mg/kg	500		86.3	85-115			
>C12-C28	430	25.0	"	500		85.9	85-115			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	46.6		"	50.0		93.3	70-130			

Calibration Check (P210806-CCV2)

Prepared & Analyzed: 09/08/22

C6-C12	426	25.0	mg/kg	500		85.2	85-115			
>C12-C28	432	25.0	"	500		86.4	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	49.3		"	50.0		98.5	70-130			

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Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P2I0806 - TX 1005

Matrix Spike (P2I0806-MS1)	Source: 2I08001-20			Prepared: 09/08/22		Analyzed: 09/09/22				
C6-C12	831	26.9	mg/kg dry	1080	17.7	75.6	75-125			
>C12-C28	835	26.9	"	1080	25.9	75.2	75-125			
Surrogate: 1-Chlorooctane	116		"	108		108	70-130			
Surrogate: o-Terphenyl	48.2		"	53.8		89.7	70-130			

Matrix Spike Dup (P2I0806-MSD1)	Source: 2I08001-20			Prepared: 09/08/22		Analyzed: 09/09/22				
C6-C12	813	26.9	mg/kg dry	1080	17.7	74.0	75-125	2.13	20	QM-05
>C12-C28	814	26.9	"	1080	25.9	73.2	75-125	2.65	20	QM-05
Surrogate: 1-Chlorooctane	120		"	108		111	70-130			
Surrogate: o-Terphenyl	48.7		"	53.8		90.5	70-130			

Batch P2I0807 - TX 1005

Blank (P2I0807-BLK1)	Prepared & Analyzed: 09/08/22									
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	78.9		"	100		78.9	70-130			
Surrogate: o-Terphenyl	35.3		"	50.0		70.6	70-130			

LCS (P2I0807-BS1)	Prepared & Analyzed: 09/08/22									
C6-C12	770	25.0	mg/kg	1000		77.0	75-125			
>C12-C28	899	25.0	"	1000		89.9	75-125			
Surrogate: 1-Chlorooctane	96.3		"	100		96.3	70-130			
Surrogate: o-Terphenyl	41.1		"	50.0		82.2	70-130			

LCS Dup (P2I0807-BSD1)	Prepared & Analyzed: 09/08/22									
C6-C12	755	25.0	mg/kg	1000		75.5	75-125	1.98	20	
>C12-C28	754	25.0	"	1000		75.4	75-125	17.6	20	
Surrogate: 1-Chlorooctane	98.9		"	100		98.9	70-130			
Surrogate: o-Terphenyl	41.2		"	50.0		82.3	70-130			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
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Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0807 - TX 1005										
Calibration Check (P2I0807-CCV1)				Prepared & Analyzed: 09/08/22						
C6-C12	471	25.0	mg/kg	500		94.1	85-115			
>C12-C28	500	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	86.2		"	100		86.2	70-130			
Surrogate: o-Terphenyl	39.4		"	50.0		78.8	70-130			
Calibration Check (P2I0807-CCV2)				Prepared & Analyzed: 09/08/22						
C6-C12	447	25.0	mg/kg	500		89.3	85-115			
>C12-C28	428	25.0	"	500		85.6	85-115			
Surrogate: 1-Chlorooctane	86.9		"	100		86.9	70-130			
Surrogate: o-Terphenyl	39.1		"	50.0		78.3	70-130			
Calibration Check (P2I0807-CCV3)				Prepared: 09/08/22 Analyzed: 09/09/22						
C6-C12	459	25.0	mg/kg	500		91.9	85-115			
>C12-C28	525	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	87.2		"	100		87.2	70-130			
Surrogate: o-Terphenyl	40.3		"	50.0		80.6	70-130			
Matrix Spike (P2I0807-MS1)				Source: 2108001-38		Prepared: 09/08/22 Analyzed: 09/09/22				
C6-C12	991	26.3	mg/kg dry	1050	ND	94.1	75-125			
>C12-C28	1050	26.3	"	1050	505	52.1	75-125			QM-05
Surrogate: 1-Chlorooctane	88.2		"	105		83.8	70-130			
Surrogate: o-Terphenyl	45.2		"	52.6		85.9	70-130			
Matrix Spike Dup (P2I0807-MSD1)				Source: 2108001-38		Prepared: 09/08/22 Analyzed: 09/09/22				
C6-C12	948	26.3	mg/kg dry	1050	ND	90.1	75-125	4.40	20	
>C12-C28	1100	26.3	"	1050	505	56.4	75-125	7.84	20	QM-05
Surrogate: 1-Chlorooctane	89.7		"	105		85.2	70-130			
Surrogate: o-Terphenyl	45.5		"	52.6		86.4	70-130			

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Midland TX, 79710

Project: SD 24 13 Fed P415
Project Number: 22-0105-13
Project Manager: Mark Larson

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

9/9/2022

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.

Project: SD 24 13 Fed P415

P.O. Box 50685

Project Number: 22-0105-13

Midland TX, 79710

Project Manager: Mark Larson

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

7041901

CHAIN-OF-CUSTODY

Parson & Associates, Inc.
Environmental Consultants

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

Data Reported to:

DATE: 9/18/2022 PAGE 1 OF 3
PO#: _____ LAB WORK ORDER#: 21080061
PROJECT LOCATION OR NAME: SD 24 13 Fed P415
LAI PROJECT #: 22-0105-13 COLLECTOR: 20

COLLECTOR: *AN*

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TRRP report?		S=SOIL W=WATER A=AIR		P=PAINT SL=SLUDGE OT=OTHER		TIME ZONE: Time zone/State:		PRESERVATION		ANALYSES		FIELD NOTES	
Yes	No							HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE		UNPRESSERVED
MST/NUM		Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers						
S-1, 0		1	9/17/12	10:20	S	1							
S-1, 0.5		2		10:21									
S-2, 0		3		10:22									
S-2, 0.5		4		10:23									
S-3, 0		5		10:24									
S-3, 0.5		6		10:25									
S-4, 0		7		10:26									
S-4, 0.5		8		10:27									
S-5, 0		9		10:28									
S-5, 0.5		10		10:29									
S-6, 0		11		10:30									
S-6, 0.5		12		10:31									
S-7, 0		13		10:32									
S-7, 0.5		14		10:33									
S-8, 0		15		10:34									
TOTAL													
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		TURN AROUND TIME		LABORATORY USE ONLY:			
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		NORMAL ☐		1 DAY ☒ Rush			
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		2 DAY ☐		OTHER ☐			
LABORATORY: PBEL		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED		CARRIER BILL #			
								HAND DELIVERED ☒					

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Released to Imaging: 12/6/2023 2:12:32 PM

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TRRP report?		S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER
☐ Yes ☒ No			
TIME ZONE: Time zone/State:			
NST/VUM			
Field Sample I.D.	Lab #	Date	Time
S-16_0	31	9/7/22	1050
S-16_0.5	31		1051
S-17_0	33		1052
S-17_0.5	34		1053
S-18_0-0.5	35		1054
S-19_0-0.5	36		1055
S-20_0-0.5	37		1056
S-21_0-0.5	38		1057
TOTAL			
RELINQUISHED BY: (Signature)			
DATE/TIME			
RECEIVED BY: (Signature)			
DATE/TIME			
RECEIVED BY: (Signature)			
RELINQUISHED BY: (Signature)			
DATE/TIME			
RECEIVED BY: (Signature)			
LABORATORY: DBL			
TURN AROUND TIME			
NORMAL ☐			
1 DAY ☒			
2 DAY ☐			
OTHER ☐			
LABORATORY USE ONLY:			
RECEIVING TEMP: -100 C			
THERM#: 1			
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED			
☐ CARRIER BILL #			
☒ HAND DELIVERED			
PRESERVATION			
HCl			
HNO ₃			
H ₂ SO 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 ☐			
TCCLP - METALS (RCRA) ☐ Semi-VOC ☐			
TCCLP - PEST ☐ Herb ☐ OTHER LIST ☐			
TOTAL METALS (RCRA) ☐ D.W. 200.8 ☐ TCCLP ☐			
LEAD - TOTAL ☐ FLASHPOINT ☐			
TOX ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐			
PH ☐ HEXAVALENT CHROMIUM ☐			
EXPLOSIVES ☐ PECHLORATE ☐			
ANIONS ☐ ALKALINITY ☐			
FIELD NOTES			



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

Yes	Notes
☒	Chain of custody signed/dated/time when relinquished and received?
☒	Sampler's name present on COC?
☒	Sample containers intact?
☒	Samples in proper container/bottle?
☒	All samples received within holding time?
☒	Analysis requested for all samples submitted?
☒	Custody seals intact on shipping container/cooler?

Login Notes:

2I08601 -10.6

PBEL_SAMPLE_CHECKLIST_2021_1

Page 1 of 2



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:
Resolution:
Client Contacted Name: Date/Time:
NC Initiated by:  Approved by: _____

PBEL_SAMPLE_CHECKLIST_2021_1

Page 2 of 2



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/23/2022 3:27:59 PM

JOB DESCRIPTION

SD P415
SDG NUMBER 22-0105-13

JOB NUMBER

880-21516-1

Client: Larson & Associates, Inc.
Project/Site: SD P415

Laboratory Job ID: 880-21516-1
SDG: 22-0105-13

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Qualifiers

GC 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.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Job ID: 880-21516-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-21516-1

Receipt

The samples were received on 11/14/2022 11:01 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.5° C.

Receipt Exceptions

The following samples were received and analyzed from a bulk soil jar: S-1, 1' (880-21516-1), S-1, 3' (880-21516-2), S-1, 5' (880-21516-3), S-2, 1' (880-21516-4), S-2, 3' (880-21516-5), S-2, 5' (880-21516-6), S-5, 1' (880-21516-7), S-5, 3' (880-21516-8), S-5, 5' (880-21516-9), S-6, 1' (880-21516-10), S-6, 3' (880-21516-11), S-6, 5' (880-21516-12), S-7, 1' (880-21516-13), S-7, 3' (880-21516-14), S-7, 5' (880-21516-15), S-8, 1' (880-21516-16), S-8, 3' (880-21516-17), S-8, 5' (880-21516-18), S-9, 1' (880-21516-19), S-9, 3' (880-21516-20), S-9, 4.5' (880-21516-21), S-10, 1' (880-21516-22), S-10, 3' (880-21516-23), S-10, 4.5' (880-21516-24), S-11, 1' (880-21516-25), S-11, 3' (880-21516-26), S-11, 4.5' (880-21516-27), S-12, 1' (880-21516-28), S-12, 3' (880-21516-29), S-12, 5' (880-21516-30), S-13, 1' (880-21516-31), S-13, 3' (880-21516-32), S-13, 5' (880-21516-33), S-14, 1' (880-21516-34), S-14, 3' (880-21516-35), S-14, 5' (880-21516-36), S-15, 1' (880-21516-37), S-15, 3' (880-21516-38), S-15, 5' (880-21516-39), S-16, 1' (880-21516-40), S-16, 3' (880-21516-41), S-16, 5' (880-21516-42), S-17, 1' (880-21516-43), S-17, 3' (880-21516-44), S-17, 5' (880-21516-45), S-21, 1' (880-21516-46), S-21, 3' (880-21516-47), S-21, 5' (880-21516-48) and S-22, 0-1' (880-21516-49).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-39722 and analytical batch 880-39930 was outside the upper control limits.

Method 8021B: The method blank for preparation batch 880-39722 and analytical batch 880-39930 contained m,p-Xylenes above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-21516-A-48-C MS) and (880-21516-A-48-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-39849/1-A) and (LCSD 880-39849/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-22, 0-1' (880-21516-49). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-40172/20). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-39849 and analytical batch 880-40172 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The method blank for preparation batch 880-39849 and analytical batch 880-40172 contained m,p-Xylenes above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

GC Semi VOA

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39724 and analytical batch 880-39981 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.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Job ID: 880-21516-1 (Continued)

Laboratory: Eurofins Midland (Continued)

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-39704 and 880-39704 and analytical batch 880-39999 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39703, 880-39703, 880-39703 and 880-39703 and analytical batch 880-40001 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.

The associated samples are: S-9, 3' (880-21516-20), S-10, 4.5' (880-21516-24), S-11, 1' (880-21516-25), S-11, 3' (880-21516-26), S-11, 4.5' (880-21516-27), S-12, 1' (880-21516-28), S-12, 3' (880-21516-29), S-12, 5' (880-21516-30), S-13, 1' (880-21516-31), S-13, 3' (880-21516-32), S-13, 5' (880-21516-33), (880-21516-A-24-C MS) and (880-21516-A-24-D MSD).

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

Organic Prep

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

VOA Prep

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-1, 1'

Lab Sample ID: 880-21516-1

Date Collected: 11/10/22 10:30

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 09:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 09:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 09:55	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/16/22 14:22	11/20/22 09:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 09:55	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/16/22 14:22	11/20/22 09:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	11/16/22 14:22	11/20/22 09:55	1
1,4-Difluorobenzene (Surr)	93		70 - 130	11/16/22 14:22	11/20/22 09:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 11:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 11:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	11/16/22 09:19	11/17/22 11:11	1
o-Terphenyl (Surr)	91		70 - 130	11/16/22 09:19	11/17/22 11:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	664		4.96	mg/Kg			11/19/22 18:44	1

Client Sample ID: S-1, 3'

Lab Sample ID: 880-21516-2

Date Collected: 11/10/22 10:35

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 10:22	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 10:22	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 10:22	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 10:22	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 10:22	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 10:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	11/16/22 14:22	11/20/22 10:22	1
1,4-Difluorobenzene (Surr)	91		70 - 130	11/16/22 14:22	11/20/22 10:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-1, 3'

Lab Sample ID: 880-21516-2

Date Collected: 11/10/22 10:35

Matrix: Solid

Date Received: 11/14/22 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/16/22 09:19	11/17/22 12:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/16/22 09:19	11/17/22 12:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/16/22 09:19	11/17/22 12:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			11/16/22 09:19	11/17/22 12:16	1
o-Terphenyl (Surr)	112		70 - 130			11/16/22 09:19	11/17/22 12:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.1		5.05	mg/Kg			11/19/22 18:50	1

Client Sample ID: S-1, 5'

Lab Sample ID: 880-21516-3

Date Collected: 11/10/22 10:40

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 10:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 10:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 10:48	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 10:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 10:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 10:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			11/16/22 14:22	11/20/22 10:48	1
1,4-Difluorobenzene (Surr)	93		70 - 130			11/16/22 14:22	11/20/22 10:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 12:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 12:38	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-1, 5'

Date Collected: 11/10/22 10:40

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 12:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130			11/16/22 09:19	11/17/22 12:38	1
o-Terphenyl (Surr)	118		70 - 130			11/16/22 09:19	11/17/22 12:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.8		5.03	mg/Kg			11/19/22 18:56	1

Client Sample ID: S-2, 1'

Date Collected: 11/10/22 10:45

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-4

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 11:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 11:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 11:14	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/16/22 14:22	11/20/22 11:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 11:14	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/16/22 14:22	11/20/22 11:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			11/16/22 14:22	11/20/22 11:14	1
1,4-Difluorobenzene (Surr)	96		70 - 130			11/16/22 14:22	11/20/22 11:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 13:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 13:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 13:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			11/16/22 09:19	11/17/22 13:00	1
o-Terphenyl (Surr)	96		70 - 130			11/16/22 09:19	11/17/22 13:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2410		25.0	mg/Kg			11/19/22 19:01	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-2, 3'

Lab Sample ID: 880-21516-5

Date Collected: 11/10/22 10:50

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 11:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 11:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 11:41	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 11:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 11:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 11:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/16/22 14:22	11/20/22 11:41	1
1,4-Difluorobenzene (Surr)	92		70 - 130	11/16/22 14:22	11/20/22 11:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 13:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 13:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	11/16/22 09:19	11/17/22 13:22	1
o-Terphenyl (Surr)	95		70 - 130	11/16/22 09:19	11/17/22 13:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5		4.97	mg/Kg			11/19/22 19:18	1

Client Sample ID: S-2, 5'

Lab Sample ID: 880-21516-6

Date Collected: 11/10/22 10:55

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 12:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 12:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 12:07	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 12:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 12:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	11/16/22 14:22	11/20/22 12:07	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/16/22 14:22	11/20/22 12:07	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-2, 5'

Lab Sample ID: 880-21516-6

Date Collected: 11/10/22 10:55

Matrix: Solid

Date Received: 11/14/22 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 13:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 13:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 13:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			11/16/22 09:19	11/17/22 13:43	1
o-Terphenyl (Surr)	103		70 - 130			11/16/22 09:19	11/17/22 13:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.8		5.05	mg/Kg			11/19/22 19:24	1

Client Sample ID: S-5, 1'

Lab Sample ID: 880-21516-7

Date Collected: 11/10/22 11:00

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/16/22 14:22	11/20/22 12:33	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/16/22 14:22	11/20/22 12:33	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/16/22 14:22	11/20/22 12:33	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/16/22 14:22	11/20/22 12:33	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/16/22 14:22	11/20/22 12:33	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/16/22 14:22	11/20/22 12:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			11/16/22 14:22	11/20/22 12:33	1
1,4-Difluorobenzene (Surr)	86		70 - 130			11/16/22 14:22	11/20/22 12:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 14:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 14:05	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-5, 1'

Date Collected: 11/10/22 11:00

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 14:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			11/16/22 09:19	11/17/22 14:05	1
o-Terphenyl (Surr)	98		70 - 130			11/16/22 09:19	11/17/22 14:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1510		25.1	mg/Kg			11/19/22 19:41	5

Client Sample ID: S-5, 3'

Date Collected: 11/10/22 11:05

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-8

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 12:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 12:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 12:59	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 12:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 12:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 12:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			11/16/22 14:22	11/20/22 12:59	1
1,4-Difluorobenzene (Surr)	86		70 - 130			11/16/22 14:22	11/20/22 12:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 14:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 14:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 14:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			11/16/22 09:19	11/17/22 14:27	1
o-Terphenyl (Surr)	94		70 - 130			11/16/22 09:19	11/17/22 14:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.6		4.97	mg/Kg			11/19/22 19:46	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-5, 5'

Lab Sample ID: 880-21516-9

Date Collected: 11/10/22 11:10

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 13:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 13:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 13:26	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 13:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 13:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	11/16/22 14:22	11/20/22 13:26	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/16/22 14:22	11/20/22 13:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 14:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 14:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	11/16/22 09:19	11/17/22 14:49	1
o-Terphenyl (Surr)	87		70 - 130	11/16/22 09:19	11/17/22 14:49	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.9		4.96	mg/Kg			11/20/22 13:36	1

Client Sample ID: S-6, 1'

Lab Sample ID: 880-21516-10

Date Collected: 11/10/22 11:15

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 13:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 13:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 13:52	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/16/22 14:22	11/20/22 13:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 13:52	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/16/22 14:22	11/20/22 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	11/16/22 14:22	11/20/22 13:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130	11/16/22 14:22	11/20/22 13:52	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-6, 1'

Date Collected: 11/10/22 11:15

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-10

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 15:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 15:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			11/16/22 09:19	11/17/22 15:11	1
o-Terphenyl (Surr)	89		70 - 130			11/16/22 09:19	11/17/22 15:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1760		24.9	mg/Kg			11/19/22 19:53	5

Client Sample ID: S-6, 3'

Date Collected: 11/10/22 11:20

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-11

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 15:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 15:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 15:38	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 15:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 15:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 15:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			11/16/22 14:22	11/20/22 15:38	1
1,4-Difluorobenzene (Surr)	85		70 - 130			11/16/22 14:22	11/20/22 15:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 16:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 16:13	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-6, 3'

Date Collected: 11/10/22 11:20

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 16:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			11/16/22 09:19	11/17/22 16:13	1
o-Terphenyl (Surr)	112		70 - 130			11/16/22 09:19	11/17/22 16:13	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	305		4.99	mg/Kg			11/19/22 19:59	1

Client Sample ID: S-6, 5'

Date Collected: 11/10/22 11:25

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-12

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 16:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 16:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 16:04	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/16/22 14:22	11/20/22 16:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 16:04	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/16/22 14:22	11/20/22 16:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130			11/16/22 14:22	11/20/22 16:04	1
1,4-Difluorobenzene (Surr)	87		70 - 130			11/16/22 14:22	11/20/22 16:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 16:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 16:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 16:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			11/16/22 09:19	11/17/22 16:34	1
o-Terphenyl (Surr)	98		70 - 130			11/16/22 09:19	11/17/22 16:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.6		4.95	mg/Kg			11/20/22 09:40	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-7, 1'

Lab Sample ID: 880-21516-13

Date Collected: 11/10/22 11:30

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 16:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 16:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 16:30	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 16:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/16/22 14:22	11/20/22 16:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/16/22 14:22	11/20/22 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	11/16/22 14:22	11/20/22 16:30	1
1,4-Difluorobenzene (Surr)	90		70 - 130	11/16/22 14:22	11/20/22 16:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 18:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 16:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	11/16/22 09:19	11/17/22 16:56	1
o-Terphenyl (Surr)	98		70 - 130	11/16/22 09:19	11/17/22 16:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2440		25.2	mg/Kg			11/19/22 20:06	5

Client Sample ID: S-7, 3'

Lab Sample ID: 880-21516-14

Date Collected: 11/10/22 11:35

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/21/22 09:38	11/21/22 12:01	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/21/22 09:38	11/21/22 12:01	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/21/22 09:38	11/21/22 12:01	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/21/22 09:38	11/21/22 12:01	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/21/22 09:38	11/21/22 12:01	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/21/22 09:38	11/21/22 12:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	11/21/22 09:38	11/21/22 12:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/21/22 09:38	11/21/22 12:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-7, 3'

Lab Sample ID: 880-21516-14

Date Collected: 11/10/22 11:35

Matrix: Solid

Date Received: 11/14/22 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/22/22 15:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 17:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 17:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 17:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			11/16/22 09:19	11/17/22 17:18	1
o-Terphenyl (Surr)	95		70 - 130			11/16/22 09:19	11/17/22 17:18	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.7		5.00	mg/Kg			11/19/22 20:51	1

Client Sample ID: S-7, 5'

Lab Sample ID: 880-21516-15

Date Collected: 11/10/22 11:40

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		11/21/22 09:38	11/21/22 12:21	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/21/22 09:38	11/21/22 12:21	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/21/22 09:38	11/21/22 12:21	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		11/21/22 09:38	11/21/22 12:21	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/21/22 09:38	11/21/22 12:21	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		11/21/22 09:38	11/21/22 12:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			11/21/22 09:38	11/21/22 12:21	1
1,4-Difluorobenzene (Surr)	107		70 - 130			11/21/22 09:38	11/21/22 12:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			11/22/22 15:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 17:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 17:39	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-7, 5'

Date Collected: 11/10/22 11:40

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 17:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			11/16/22 09:19	11/17/22 17:39	1
o-Terphenyl (Surr)	115		70 - 130			11/16/22 09:19	11/17/22 17:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.7		4.99	mg/Kg			11/20/22 09:57	1

Client Sample ID: S-8, 1'

Date Collected: 11/10/22 11:45

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-16

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/21/22 09:38	11/21/22 12:42	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/21/22 09:38	11/21/22 12:42	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/21/22 09:38	11/21/22 12:42	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/21/22 09:38	11/21/22 12:42	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/21/22 09:38	11/21/22 12:42	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/21/22 09:38	11/21/22 12:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			11/21/22 09:38	11/21/22 12:42	1
1,4-Difluorobenzene (Surr)	112		70 - 130			11/21/22 09:38	11/21/22 12:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/22/22 15:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 18:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 18:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 18:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			11/16/22 09:19	11/17/22 18:01	1
o-Terphenyl (Surr)	105		70 - 130			11/16/22 09:19	11/17/22 18:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4970		49.5	mg/Kg			11/20/22 10:03	10

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-8, 3'

Date Collected: 11/10/22 11:50

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-17

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/21/22 09:38	11/21/22 13:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/21/22 09:38	11/21/22 13:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/21/22 09:38	11/21/22 13:02	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/21/22 09:38	11/21/22 13:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/21/22 09:38	11/21/22 13:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/21/22 09:38	11/21/22 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	11/21/22 09:38	11/21/22 13:02	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/21/22 09:38	11/21/22 13:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/22/22 15:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 18:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 18:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 18:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130	11/16/22 09:19	11/17/22 18:23	1
o-Terphenyl (Surr)	117		70 - 130	11/16/22 09:19	11/17/22 18:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.55		0.0501	mg/Kg			11/20/22 10:09	1

Client Sample ID: S-8, 5'

Date Collected: 11/10/22 11:55

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-18

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		11/21/22 09:38	11/21/22 13:23	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/21/22 09:38	11/21/22 13:23	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/21/22 09:38	11/21/22 13:23	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		11/21/22 09:38	11/21/22 13:23	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/21/22 09:38	11/21/22 13:23	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/21/22 09:38	11/21/22 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	11/21/22 09:38	11/21/22 13:23	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/21/22 09:38	11/21/22 13:23	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-8, 5'

Lab Sample ID: 880-21516-18

Date Collected: 11/10/22 11:55

Matrix: Solid

Date Received: 11/14/22 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/22/22 15:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 18:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 18:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			11/16/22 09:19	11/17/22 18:44	1
o-Terphenyl (Surr)	104		70 - 130			11/16/22 09:19	11/17/22 18:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.9		4.98	mg/Kg			11/20/22 10:14	1

Client Sample ID: S-9, 1'

Lab Sample ID: 880-21516-19

Date Collected: 11/10/22 12:00

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/21/22 09:38	11/21/22 13:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/21/22 09:38	11/21/22 13:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/21/22 09:38	11/21/22 13:43	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/21/22 09:38	11/21/22 13:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/21/22 09:38	11/21/22 13:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/21/22 09:38	11/21/22 13:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			11/21/22 09:38	11/21/22 13:43	1
1,4-Difluorobenzene (Surr)	98		70 - 130			11/21/22 09:38	11/21/22 13:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			11/22/22 15:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 19:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 19:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-9, 1'

Date Collected: 11/10/22 12:00

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-19

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:19	11/17/22 19:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			11/16/22 09:19	11/17/22 19:06	1
o-Terphenyl (Surr)	93		70 - 130			11/16/22 09:19	11/17/22 19:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2830		24.9	mg/Kg			11/20/22 10:31	5

Client Sample ID: S-9, 3'

Date Collected: 11/10/22 12:05

Date Received: 11/14/22 11:01

Lab Sample ID: 880-21516-20

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		11/21/22 09:38	11/21/22 14:04	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/21/22 09:38	11/21/22 14:04	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/21/22 09:38	11/21/22 14:04	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		11/21/22 09:38	11/21/22 14:04	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/21/22 09:38	11/21/22 14:04	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		11/21/22 09:38	11/21/22 14:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			11/21/22 09:38	11/21/22 14:04	1
1,4-Difluorobenzene (Surr)	97		70 - 130			11/21/22 09:38	11/21/22 14:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			11/22/22 15:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/18/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/16/22 09:19	11/17/22 19:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/16/22 09:19	11/17/22 19:27	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/16/22 09:19	11/17/22 19:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130			11/16/22 09:19	11/17/22 19:27	1
o-Terphenyl (Surr)	94		70 - 130			11/16/22 09:19	11/17/22 19:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2790		24.8	mg/Kg			11/20/22 13:53	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-9, 4.5'

Lab Sample ID: 880-21516-21

Date Collected: 11/10/22 12:10

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/17/22 09:35	11/19/22 07:39	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/22 09:35	11/19/22 07:39	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/22 09:35	11/19/22 07:39	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/17/22 09:35	11/19/22 07:39	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/22 09:35	11/19/22 07:39	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/22 09:35	11/19/22 07:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	11/17/22 09:35	11/19/22 07:39	1
1,4-Difluorobenzene (Surr)	113		70 - 130	11/17/22 09:35	11/19/22 07:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 11:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 11:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	11/16/22 09:22	11/17/22 11:11	1
o-Terphenyl (Surr)	110		70 - 130	11/16/22 09:22	11/17/22 11:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6440		50.0	mg/Kg			11/20/22 10:43	10

Client Sample ID: S-10, 1'

Lab Sample ID: 880-21516-22

Date Collected: 11/10/22 12:15

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/17/22 09:35	11/19/22 08:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/22 09:35	11/19/22 08:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/22 09:35	11/19/22 08:00	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/17/22 09:35	11/19/22 08:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/22 09:35	11/19/22 08:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/22 09:35	11/19/22 08:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	11/17/22 09:35	11/19/22 08:00	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/17/22 09:35	11/19/22 08:00	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-10, 1'

Lab Sample ID: 880-21516-22

Date Collected: 11/10/22 12:15

Matrix: Solid

Date Received: 11/14/22 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/16/22 09:22	11/17/22 12:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/16/22 09:22	11/17/22 12:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/16/22 09:22	11/17/22 12:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130			11/16/22 09:22	11/17/22 12:16	1
o-Terphenyl (Surr)	89		70 - 130			11/16/22 09:22	11/17/22 12:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2220		25.0	mg/Kg			11/20/22 10:48	5

Client Sample ID: S-10, 3'

Lab Sample ID: 880-21516-23

Date Collected: 11/10/22 12:20

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 09:35	11/19/22 08:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 09:35	11/19/22 08:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 09:35	11/19/22 08:20	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/17/22 09:35	11/19/22 08:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 09:35	11/19/22 08:20	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/17/22 09:35	11/19/22 08:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			11/17/22 09:35	11/19/22 08:20	1
1,4-Difluorobenzene (Surr)	109		70 - 130			11/17/22 09:35	11/19/22 08:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 12:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 12:38	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-10, 3'

Lab Sample ID: 880-21516-23

Date Collected: 11/10/22 12:20

Matrix: Solid

Date Received: 11/14/22 11:01

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 12:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			11/16/22 09:22	11/17/22 12:38	1
o-Terphenyl (Surr)	103		70 - 130			11/16/22 09:22	11/17/22 12:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.6		4.95	mg/Kg			11/20/22 10:54	1

Client Sample ID: S-10, 4.5'

Lab Sample ID: 880-21516-24

Date Collected: 11/10/22 12:25

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/17/22 09:35	11/19/22 08:41	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/17/22 09:35	11/19/22 08:41	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/17/22 09:35	11/19/22 08:41	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/17/22 09:35	11/19/22 08:41	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/17/22 09:35	11/19/22 08:41	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/17/22 09:35	11/19/22 08:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130			11/17/22 09:35	11/19/22 08:41	1
1,4-Difluorobenzene (Surr)	102		70 - 130			11/17/22 09:35	11/19/22 08:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 13:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 13:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 13:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			11/16/22 09:22	11/17/22 13:00	1
o-Terphenyl (Surr)	99		70 - 130			11/16/22 09:22	11/17/22 13:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.4	F1	4.97	mg/Kg			11/20/22 11:00	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-11, 1'

Lab Sample ID: 880-21516-25

Date Collected: 11/10/22 12:30

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/17/22 09:35	11/19/22 09:01	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/17/22 09:35	11/19/22 09:01	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/17/22 09:35	11/19/22 09:01	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/17/22 09:35	11/19/22 09:01	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/17/22 09:35	11/19/22 09:01	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/17/22 09:35	11/19/22 09:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	11/17/22 09:35	11/19/22 09:01	1
1,4-Difluorobenzene (Surr)	111		70 - 130	11/17/22 09:35	11/19/22 09:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 13:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 13:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	11/16/22 09:22	11/17/22 13:22	1
o-Terphenyl (Surr)	112		70 - 130	11/16/22 09:22	11/17/22 13:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000		25.0	mg/Kg			11/20/22 11:17	5

Client Sample ID: S-11, 3'

Lab Sample ID: 880-21516-26

Date Collected: 11/10/22 12:35

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 09:35	11/19/22 09:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 09:35	11/19/22 09:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 09:35	11/19/22 09:22	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/17/22 09:35	11/19/22 09:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 09:35	11/19/22 09:22	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/17/22 09:35	11/19/22 09:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	11/17/22 09:35	11/19/22 09:22	1
1,4-Difluorobenzene (Surr)	109		70 - 130	11/17/22 09:35	11/19/22 09:22	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-11, 3'

Lab Sample ID: 880-21516-26

Date Collected: 11/10/22 12:35

Matrix: Solid

Date Received: 11/14/22 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 13:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 13:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 13:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			11/16/22 09:22	11/17/22 13:43	1
o-Terphenyl (Surr)	100		70 - 130			11/16/22 09:22	11/17/22 13:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.5		4.99	mg/Kg			11/20/22 11:22	1

Client Sample ID: S-11, 4.5'

Lab Sample ID: 880-21516-27

Date Collected: 11/10/22 12:40

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/17/22 09:35	11/19/22 09:42	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/22 09:35	11/19/22 09:42	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/22 09:35	11/19/22 09:42	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/17/22 09:35	11/19/22 09:42	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/22 09:35	11/19/22 09:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/22 09:35	11/19/22 09:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			11/17/22 09:35	11/19/22 09:42	1
1,4-Difluorobenzene (Surr)	112		70 - 130			11/17/22 09:35	11/19/22 09:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 14:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 14:05	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-11, 4.5'

Lab Sample ID: 880-21516-27

Date Collected: 11/10/22 12:40

Matrix: Solid

Date Received: 11/14/22 11:01

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 14:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			11/16/22 09:22	11/17/22 14:05	1
o-Terphenyl (Surr)	106		70 - 130			11/16/22 09:22	11/17/22 14:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.9		5.01	mg/Kg			11/20/22 11:39	1

Client Sample ID: S-12, 1'

Lab Sample ID: 880-21516-28

Date Collected: 11/11/22 09:56

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/19/22 22:18	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/19/22 22:18	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/19/22 22:18	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/17/22 15:13	11/19/22 22:18	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/19/22 22:18	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/17/22 15:13	11/19/22 22:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130			11/17/22 15:13	11/19/22 22:18	1
1,4-Difluorobenzene (Surr)	110		70 - 130			11/17/22 15:13	11/19/22 22:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 14:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 14:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 14:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			11/16/22 09:22	11/17/22 14:27	1
o-Terphenyl (Surr)	104		70 - 130			11/16/22 09:22	11/17/22 14:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		4.98	mg/Kg			11/20/22 11:45	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-12, 3'

Lab Sample ID: 880-21516-29

Date Collected: 11/11/22 09:57

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/19/22 22:39	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/19/22 22:39	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/19/22 22:39	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/17/22 15:13	11/19/22 22:39	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/19/22 22:39	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/22 15:13	11/19/22 22:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	11/17/22 15:13	11/19/22 22:39	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/17/22 15:13	11/19/22 22:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 14:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 14:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130	11/16/22 09:22	11/17/22 14:49	1
o-Terphenyl (Surr)	96		70 - 130	11/16/22 09:22	11/17/22 14:49	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.8		4.99	mg/Kg			11/20/22 11:51	1

Client Sample ID: S-12, 5'

Lab Sample ID: 880-21516-30

Date Collected: 11/11/22 09:58

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/19/22 22:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/19/22 22:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/19/22 22:59	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/17/22 15:13	11/19/22 22:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/19/22 22:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/22 15:13	11/19/22 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	11/17/22 15:13	11/19/22 22:59	1
1,4-Difluorobenzene (Surr)	117		70 - 130	11/17/22 15:13	11/19/22 22:59	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-12, 5'

Lab Sample ID: 880-21516-30

Date Collected: 11/11/22 09:58

Matrix: Solid

Date Received: 11/14/22 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 15:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 15:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			11/16/22 09:22	11/17/22 15:11	1
o-Terphenyl (Surr)	115		70 - 130			11/16/22 09:22	11/17/22 15:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.1		4.96	mg/Kg			11/20/22 11:56	1

Client Sample ID: S-13, 1'

Lab Sample ID: 880-21516-31

Date Collected: 11/11/22 10:05

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/19/22 23:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/19/22 23:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/19/22 23:20	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/17/22 15:13	11/19/22 23:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/19/22 23:20	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/17/22 15:13	11/19/22 23:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130			11/17/22 15:13	11/19/22 23:20	1
1,4-Difluorobenzene (Surr)	108		70 - 130			11/17/22 15:13	11/19/22 23:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 16:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 16:13	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-13, 1'

Lab Sample ID: 880-21516-31

Date Collected: 11/11/22 10:05

Matrix: Solid

Date Received: 11/14/22 11:01

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 16:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			11/16/22 09:22	11/17/22 16:13	1
o-Terphenyl (Surr)	127		70 - 130			11/16/22 09:22	11/17/22 16:13	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2270		25.0	mg/Kg			11/20/22 12:02	5

Client Sample ID: S-13, 3'

Lab Sample ID: 880-21516-32

Date Collected: 11/11/22 10:06

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		11/17/22 15:13	11/19/22 23:40	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/17/22 15:13	11/19/22 23:40	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/17/22 15:13	11/19/22 23:40	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		11/17/22 15:13	11/19/22 23:40	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/17/22 15:13	11/19/22 23:40	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		11/17/22 15:13	11/19/22 23:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			11/17/22 15:13	11/19/22 23:40	1
1,4-Difluorobenzene (Surr)	104		70 - 130			11/17/22 15:13	11/19/22 23:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 16:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 16:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 16:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			11/16/22 09:22	11/17/22 16:34	1
o-Terphenyl (Surr)	97		70 - 130			11/16/22 09:22	11/17/22 16:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.4		5.05	mg/Kg			11/20/22 12:08	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-13, 5'

Lab Sample ID: 880-21516-33

Date Collected: 11/11/22 10:07

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 00:00	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 00:00	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 00:00	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/17/22 15:13	11/20/22 00:00	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 00:00	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/17/22 15:13	11/20/22 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	11/17/22 15:13	11/20/22 00:00	1
1,4-Difluorobenzene (Surr)	102		70 - 130	11/17/22 15:13	11/20/22 00:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 16:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 16:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130	11/16/22 09:22	11/17/22 16:56	1
o-Terphenyl (Surr)	106		70 - 130	11/16/22 09:22	11/17/22 16:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		4.99	mg/Kg			11/20/22 12:13	1

Client Sample ID: S-14, 1'

Lab Sample ID: 880-21516-34

Date Collected: 11/11/22 10:11

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 00:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 00:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 00:21	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/17/22 15:13	11/20/22 00:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 00:21	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/17/22 15:13	11/20/22 00:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	11/17/22 15:13	11/20/22 00:21	1
1,4-Difluorobenzene (Surr)	104		70 - 130	11/17/22 15:13	11/20/22 00:21	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-14, 1'

Lab Sample ID: 880-21516-34

Date Collected: 11/11/22 10:11

Matrix: Solid

Date Received: 11/14/22 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 17:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 17:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 17:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			11/16/22 09:22	11/17/22 17:18	1
o-Terphenyl (Surr)	112		70 - 130			11/16/22 09:22	11/17/22 17:18	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1340	F1	25.0	mg/Kg			11/19/22 18:17	5

Client Sample ID: S-14, 3'

Lab Sample ID: 880-21516-35

Date Collected: 11/11/22 10:12

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 00:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 00:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 00:41	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/17/22 15:13	11/20/22 00:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 00:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/22 15:13	11/20/22 00:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			11/17/22 15:13	11/20/22 00:41	1
1,4-Difluorobenzene (Surr)	109		70 - 130			11/17/22 15:13	11/20/22 00:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 17:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 17:39	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-14, 3'

Lab Sample ID: 880-21516-35

Date Collected: 11/11/22 10:12

Matrix: Solid

Date Received: 11/14/22 11:01

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 17:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			11/16/22 09:22	11/17/22 17:39	1
o-Terphenyl (Surr)	117		70 - 130			11/16/22 09:22	11/17/22 17:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.1		4.99	mg/Kg			11/19/22 18:39	1

Client Sample ID: S-14, 5'

Lab Sample ID: 880-21516-36

Date Collected: 11/11/22 10:13

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 01:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 01:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 01:02	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/17/22 15:13	11/20/22 01:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 01:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/17/22 15:13	11/20/22 01:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			11/17/22 15:13	11/20/22 01:02	1
1,4-Difluorobenzene (Surr)	106		70 - 130			11/17/22 15:13	11/20/22 01:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 18:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 18:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 18:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			11/16/22 09:22	11/17/22 18:01	1
o-Terphenyl (Surr)	105		70 - 130			11/16/22 09:22	11/17/22 18:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		4.95	mg/Kg			11/19/22 18:46	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-15, 1'

Lab Sample ID: 880-21516-37

Date Collected: 11/11/22 10:18

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 01:22	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 01:22	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 01:22	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/17/22 15:13	11/20/22 01:22	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 01:22	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/22 15:13	11/20/22 01:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	11/17/22 15:13	11/20/22 01:22	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/17/22 15:13	11/20/22 01:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.5		49.9	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 18:23	1
Diesel Range Organics (Over C10-C28)	61.5		49.9	mg/Kg		11/16/22 09:22	11/17/22 18:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 18:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	11/16/22 09:22	11/17/22 18:23	1
o-Terphenyl (Surr)	110		70 - 130	11/16/22 09:22	11/17/22 18:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.1		0.251	mg/Kg			11/19/22 18:53	5

Client Sample ID: S-15, 3'

Lab Sample ID: 880-21516-38

Date Collected: 11/11/22 10:19

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 03:12	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 03:12	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 03:12	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/17/22 15:13	11/20/22 03:12	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 03:12	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/22 15:13	11/20/22 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	11/17/22 15:13	11/20/22 03:12	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/17/22 15:13	11/20/22 03:12	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-15, 3'

Lab Sample ID: 880-21516-38

Date Collected: 11/11/22 10:19

Matrix: Solid

Date Received: 11/14/22 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 18:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 18:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			11/16/22 09:22	11/17/22 18:44	1
o-Terphenyl (Surr)	107		70 - 130			11/16/22 09:22	11/17/22 18:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.6		4.98	mg/Kg			11/19/22 19:00	1

Client Sample ID: S-15, 5'

Lab Sample ID: 880-21516-39

Date Collected: 11/11/22 10:20

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 03:32	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 03:32	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 03:32	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/17/22 15:13	11/20/22 03:32	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 03:32	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/17/22 15:13	11/20/22 03:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130			11/17/22 15:13	11/20/22 03:32	1
1,4-Difluorobenzene (Surr)	111		70 - 130			11/17/22 15:13	11/20/22 03:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 19:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 19:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-15, 5'

Lab Sample ID: 880-21516-39

Date Collected: 11/11/22 10:20

Matrix: Solid

Date Received: 11/14/22 11:01

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 09:22	11/17/22 19:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130			11/16/22 09:22	11/17/22 19:06	1
o-Terphenyl (Surr)	121		70 - 130			11/16/22 09:22	11/17/22 19:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.5		4.97	mg/Kg			11/19/22 19:21	1

Client Sample ID: S-16, 1'

Lab Sample ID: 880-21516-40

Date Collected: 11/11/22 10:24

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 03:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 03:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 03:52	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/17/22 15:13	11/20/22 03:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 03:52	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/17/22 15:13	11/20/22 03:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			11/17/22 15:13	11/20/22 03:52	1
1,4-Difluorobenzene (Surr)	114		70 - 130			11/17/22 15:13	11/20/22 03:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/18/22 10:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/16/22 09:22	11/17/22 19:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/16/22 09:22	11/17/22 19:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/16/22 09:22	11/17/22 19:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			11/16/22 09:22	11/17/22 19:27	1
o-Terphenyl (Surr)	111		70 - 130			11/16/22 09:22	11/17/22 19:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3390		24.8	mg/Kg			11/19/22 19:29	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-16, 3'

Lab Sample ID: 880-21516-41

Date Collected: 11/11/22 10:25

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 04:13	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 04:13	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 04:13	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/17/22 15:13	11/20/22 04:13	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/17/22 15:13	11/20/22 04:13	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/17/22 15:13	11/20/22 04:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	11/17/22 15:13	11/20/22 04:13	1
1,4-Difluorobenzene (Surr)	113		70 - 130	11/17/22 15:13	11/20/22 04:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/21/22 09:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 11:27	11/20/22 14:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 11:27	11/20/22 14:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 11:27	11/20/22 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130	11/16/22 11:27	11/20/22 14:15	1
o-Terphenyl (Surr)	105		70 - 130	11/16/22 11:27	11/20/22 14:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		5.00	mg/Kg			11/19/22 19:36	1

Client Sample ID: S-16, 5'

Lab Sample ID: 880-21516-42

Date Collected: 11/11/22 10:26

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 04:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 04:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 04:33	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/17/22 15:13	11/20/22 04:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 04:33	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/17/22 15:13	11/20/22 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	11/17/22 15:13	11/20/22 04:33	1
1,4-Difluorobenzene (Surr)	114		70 - 130	11/17/22 15:13	11/20/22 04:33	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-16, 5'

Lab Sample ID: 880-21516-42

Date Collected: 11/11/22 10:26

Matrix: Solid

Date Received: 11/14/22 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/21/22 09:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 14:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 14:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 14:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			11/16/22 11:27	11/20/22 14:36	1
o-Terphenyl (Surr)	105		70 - 130			11/16/22 11:27	11/20/22 14:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.6		4.99	mg/Kg			11/19/22 19:43	1

Client Sample ID: S-17, 1'

Lab Sample ID: 880-21516-43

Date Collected: 11/11/22 10:30

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 04:54	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 04:54	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 04:54	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/17/22 15:13	11/20/22 04:54	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 04:54	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/17/22 15:13	11/20/22 04:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			11/17/22 15:13	11/20/22 04:54	1
1,4-Difluorobenzene (Surr)	117		70 - 130			11/17/22 15:13	11/20/22 04:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/21/22 09:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 15:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 15:17	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-17, 1'

Lab Sample ID: 880-21516-43

Date Collected: 11/11/22 10:30

Matrix: Solid

Date Received: 11/14/22 11:01

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 15:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			11/16/22 11:27	11/20/22 15:17	1
o-Terphenyl (Surr)	103		70 - 130			11/16/22 11:27	11/20/22 15:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	713		4.95	mg/Kg			11/19/22 19:50	1

Client Sample ID: S-17, 3'

Lab Sample ID: 880-21516-44

Date Collected: 11/11/22 10:31

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 05:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 05:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 05:14	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/17/22 15:13	11/20/22 05:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/20/22 05:14	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/17/22 15:13	11/20/22 05:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			11/17/22 15:13	11/20/22 05:14	1
1,4-Difluorobenzene (Surr)	112		70 - 130			11/17/22 15:13	11/20/22 05:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/21/22 09:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 15:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 15:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 15:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			11/16/22 11:27	11/20/22 15:39	1
o-Terphenyl (Surr)	106		70 - 130			11/16/22 11:27	11/20/22 15:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.0		4.97	mg/Kg			11/19/22 19:57	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-17, 5'

Lab Sample ID: 880-21516-45

Date Collected: 11/11/22 10:32

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 05:34	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 05:34	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 05:34	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/17/22 15:13	11/20/22 05:34	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/17/22 15:13	11/20/22 05:34	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/17/22 15:13	11/20/22 05:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	11/17/22 15:13	11/20/22 05:34	1
1,4-Difluorobenzene (Surr)	111		70 - 130	11/17/22 15:13	11/20/22 05:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/21/22 09:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 11:27	11/20/22 16:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 11:27	11/20/22 16:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 11:27	11/20/22 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	11/16/22 11:27	11/20/22 16:00	1
o-Terphenyl (Surr)	108		70 - 130	11/16/22 11:27	11/20/22 16:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.0		5.00	mg/Kg			11/19/22 20:19	1

Client Sample ID: S-21, 1'

Lab Sample ID: 880-21516-46

Date Collected: 11/11/22 10:36

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		11/17/22 15:13	11/20/22 05:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/17/22 15:13	11/20/22 05:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/17/22 15:13	11/20/22 05:55	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		11/17/22 15:13	11/20/22 05:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/17/22 15:13	11/20/22 05:55	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		11/17/22 15:13	11/20/22 05:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	11/17/22 15:13	11/20/22 05:55	1
1,4-Difluorobenzene (Surr)	109		70 - 130	11/17/22 15:13	11/20/22 05:55	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-21, 1'

Lab Sample ID: 880-21516-46

Date Collected: 11/11/22 10:36

Matrix: Solid

Date Received: 11/14/22 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.3		50.0	mg/Kg			11/21/22 09:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 16:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 16:21	1
Oil Range Organics (Over C28-C36)	50.3		50.0	mg/Kg		11/16/22 11:27	11/20/22 16:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130			11/16/22 11:27	11/20/22 16:21	1
o-Terphenyl (Surr)	105		70 - 130			11/16/22 11:27	11/20/22 16:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.6		4.99	mg/Kg			11/19/22 20:26	1

Client Sample ID: S-21, 3'

Lab Sample ID: 880-21516-47

Date Collected: 11/11/22 10:37

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		11/17/22 15:13	11/20/22 06:15	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/17/22 15:13	11/20/22 06:15	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/17/22 15:13	11/20/22 06:15	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		11/17/22 15:13	11/20/22 06:15	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/17/22 15:13	11/20/22 06:15	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		11/17/22 15:13	11/20/22 06:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			11/17/22 15:13	11/20/22 06:15	1
1,4-Difluorobenzene (Surr)	112		70 - 130			11/17/22 15:13	11/20/22 06:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			11/21/22 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/21/22 09:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 11:27	11/20/22 16:42	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-21, 3'

Lab Sample ID: 880-21516-47

Date Collected: 11/11/22 10:37

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 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		11/16/22 11:27	11/20/22 16:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 11:27	11/20/22 16:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			11/16/22 11:27	11/20/22 16:42	1
o-Terphenyl (Surr)	96		70 - 130			11/16/22 11:27	11/20/22 16:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.4		5.01	mg/Kg			11/19/22 20:47	1

Client Sample ID: S-21, 5'

Lab Sample ID: 880-21516-48

Date Collected: 11/11/22 10:38

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:36	11/22/22 15:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:36	11/22/22 15:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:36	11/22/22 15:35	1
m,p-Xylenes	<0.00399	U *	0.00399	mg/Kg		11/17/22 15:36	11/22/22 15:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:36	11/22/22 15:35	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/17/22 15:36	11/22/22 15:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130			11/17/22 15:36	11/22/22 15:35	1
1,4-Difluorobenzene (Surr)	79		70 - 130			11/17/22 15:36	11/22/22 15:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/23/22 14:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/21/22 09:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/16/22 11:27	11/20/22 17:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/16/22 11:27	11/20/22 17:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/22 11:27	11/20/22 17:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130			11/16/22 11:27	11/20/22 17:20	1
o-Terphenyl (Surr)	103		70 - 130			11/16/22 11:27	11/20/22 17:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		4.98	mg/Kg			11/19/22 20:54	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-22, 0-1'

Lab Sample ID: 880-21516-49

Date Collected: 11/11/22 10:43

Matrix: Solid

Date Received: 11/14/22 11:01

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:36	11/22/22 16:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:36	11/22/22 16:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:36	11/22/22 16:01	1
m,p-Xylenes	<0.00401	U *	0.00401	mg/Kg		11/17/22 15:36	11/22/22 16:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:36	11/22/22 16:01	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/17/22 15:36	11/22/22 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	11/17/22 15:36	11/22/22 16:01	1
1,4-Difluorobenzene (Surr)	81		70 - 130	11/17/22 15:36	11/22/22 16:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/23/22 14:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/21/22 09:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 17:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 17:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130	11/16/22 11:27	11/20/22 17:39	1
o-Terphenyl (Surr)	96		70 - 130	11/16/22 11:27	11/20/22 17:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		4.99	mg/Kg			11/19/22 21:01	1

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-21516-1	S-1, 1'	106	93
880-21516-1 MS	S-1, 1'	110	101
880-21516-1 MSD	S-1, 1'	107	101
880-21516-2	S-1, 3'	111	91
880-21516-3	S-1, 5'	125	93
880-21516-4	S-2, 1'	120	96
880-21516-5	S-2, 3'	114	92
880-21516-6	S-2, 5'	122	98
880-21516-7	S-5, 1'	122	86
880-21516-8	S-5, 3'	123	86
880-21516-9	S-5, 5'	127	95
880-21516-10	S-6, 1'	121	93
880-21516-11	S-6, 3'	112	85
880-21516-12	S-6, 5'	129	87
880-21516-13	S-7, 1'	130	90
880-21516-14	S-7, 3'	90	99
880-21516-14 MS	S-7, 3'	98	112
880-21516-14 MSD	S-7, 3'	106	122
880-21516-15	S-7, 5'	104	107
880-21516-16	S-8, 1'	98	112
880-21516-17	S-8, 3'	102	98
880-21516-18	S-8, 5'	91	106
880-21516-19	S-9, 1'	106	98
880-21516-20	S-9, 3'	110	97
880-21516-21	S-9, 4.5'	86	113
880-21516-22	S-10, 1'	77	103
880-21516-23	S-10, 3'	86	109
880-21516-24	S-10, 4.5'	81	102
880-21516-25	S-11, 1'	95	111
880-21516-26	S-11, 3'	87	109
880-21516-27	S-11, 4.5'	93	112
880-21516-28	S-12, 1'	79	110
880-21516-28 MS	S-12, 1'	92	99
880-21516-28 MSD	S-12, 1'	90	98
880-21516-29	S-12, 3'	81	106
880-21516-30	S-12, 5'	88	117
880-21516-31	S-13, 1'	87	108
880-21516-32	S-13, 3'	84	104
880-21516-33	S-13, 5'	88	102
880-21516-34	S-14, 1'	84	104
880-21516-35	S-14, 3'	89	109
880-21516-36	S-14, 5'	93	106
880-21516-37	S-15, 1'	98	108
880-21516-38	S-15, 3'	88	108
880-21516-39	S-15, 5'	87	111
880-21516-40	S-16, 1'	96	114
880-21516-41	S-16, 3'	92	113
880-21516-42	S-16, 5'	93	114
880-21516-43	S-17, 1'	96	117

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-21516-1

Project/Site: SD P415

SDG: 22-0105-13

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)
880-21516-44	S-17, 3'	89	112
880-21516-45	S-17, 5'	94	111
880-21516-46	S-21, 1'	89	109
880-21516-47	S-21, 3'	92	112
880-21516-48	S-21, 5'	128	79
880-21516-48 MS	S-21, 5'	162 S1+	89
880-21516-48 MSD	S-21, 5'	144 S1+	96
880-21516-49	S-22, 0-1'	145 S1+	81
LCS 880-39731/1-A	Lab Control Sample	105	96
LCS 880-39778/1-A	Lab Control Sample	100	103
LCS 880-39847/1-A	Lab Control Sample	88	97
LCS 880-39849/1-A	Lab Control Sample	148 S1+	80
LCS 880-40066/1-A	Lab Control Sample	92	116
LCSD 880-39731/2-A	Lab Control Sample Dup	105	101
LCSD 880-39778/2-A	Lab Control Sample Dup	90	97
LCSD 880-39847/2-A	Lab Control Sample Dup	85	98
LCSD 880-39849/2-A	Lab Control Sample Dup	164 S1+	89
LCSD 880-40066/2-A	Lab Control Sample Dup	101	111
MB 880-39722/5-A	Method Blank	69 S1-	91
MB 880-39731/5-A	Method Blank	77	84
MB 880-39778/5-A	Method Blank	75	106
MB 880-39818/5-A	Method Blank	76	106
MB 880-39847/5-A	Method Blank	75	103
MB 880-39849/5-A	Method Blank	94	77
MB 880-40066/5-A	Method Blank	80	102

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)
880-21516-1	S-1, 1'	94	91
880-21516-1 MS	S-1, 1'	112	88
880-21516-1 MSD	S-1, 1'	103	90
880-21516-2	S-1, 3'	120	112
880-21516-3	S-1, 5'	126	118
880-21516-4	S-2, 1'	98	96
880-21516-5	S-2, 3'	101	95
880-21516-6	S-2, 5'	106	103
880-21516-7	S-5, 1'	103	98
880-21516-8	S-5, 3'	99	94
880-21516-9	S-5, 5'	88	87
880-21516-10	S-6, 1'	92	89
880-21516-11	S-6, 3'	117	112
880-21516-12	S-6, 5'	102	98
880-21516-13	S-7, 1'	102	98

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-21516-1

Project/Site: SD P415

SDG: 22-0105-13

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	OTPH1
		(70-130)	(70-130)
880-21516-14	S-7, 3'	100	95
880-21516-15	S-7, 5'	116	115
880-21516-16	S-8, 1'	107	105
880-21516-17	S-8, 3'	123	117
880-21516-18	S-8, 5'	105	104
880-21516-19	S-9, 1'	97	93
880-21516-20	S-9, 3'	96	94
880-21516-21	S-9, 4.5'	101	110
880-21516-21 MS	S-9, 4.5'	91	87
880-21516-21 MSD	S-9, 4.5'	92	87
880-21516-22	S-10, 1'	84	89
880-21516-23	S-10, 3'	98	103
880-21516-24	S-10, 4.5'	93	99
880-21516-25	S-11, 1'	104	112
880-21516-26	S-11, 3'	94	100
880-21516-27	S-11, 4.5'	99	106
880-21516-28	S-12, 1'	98	104
880-21516-29	S-12, 3'	93	96
880-21516-30	S-12, 5'	108	115
880-21516-31	S-13, 1'	119	127
880-21516-32	S-13, 3'	91	97
880-21516-33	S-13, 5'	99	106
880-21516-34	S-14, 1'	107	112
880-21516-35	S-14, 3'	111	117
880-21516-36	S-14, 5'	100	105
880-21516-37	S-15, 1'	105	110
880-21516-38	S-15, 3'	103	107
880-21516-39	S-15, 5'	115	121
880-21516-40	S-16, 1'	105	111
880-21516-41	S-16, 3'	95	105
880-21516-42	S-16, 5'	94	105
880-21516-43	S-17, 1'	93	103
880-21516-44	S-17, 3'	95	106
880-21516-45	S-17, 5'	97	108
880-21516-46	S-21, 1'	96	105
880-21516-47	S-21, 3'	90	96
880-21516-48	S-21, 5'	96	103
880-21516-49	S-22, 0-1'	86	96
LCS 880-39675/2-A	Lab Control Sample	95	99
LCS 880-39676/2-A	Lab Control Sample	104	112
LCS 880-39724/2-A	Lab Control Sample	84	93
LCSD 880-39675/3-A	Lab Control Sample Dup	93	98
LCSD 880-39676/3-A	Lab Control Sample Dup	104	113
LCSD 880-39724/3-A	Lab Control Sample Dup	83	93
MB 880-39675/1-A	Method Blank	94	94
MB 880-39676/1-A	Method Blank	107	118
MB 880-39724/1-A	Method Blank	100	117

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415
OTPH = o-Terphenyl (Surr)

Job ID: 880-21516-1
SDG: 22-0105-13

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-39722/5-A

Matrix: Solid

Analysis Batch: 39930

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39722

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:31	11/19/22 20:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:31	11/19/22 20:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:31	11/19/22 20:05	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/16/22 14:31	11/19/22 20:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:31	11/19/22 20:05	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/16/22 14:31	11/19/22 20:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	11/16/22 14:31	11/19/22 20:05	1
1,4-Difluorobenzene (Surr)	91		70 - 130	11/16/22 14:31	11/19/22 20:05	1

Lab Sample ID: MB 880-39731/5-A

Matrix: Solid

Analysis Batch: 39930

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39731

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 09:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 09:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 09:29	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/16/22 14:22	11/20/22 09:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/16/22 14:22	11/20/22 09:29	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/16/22 14:22	11/20/22 09:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	11/16/22 14:22	11/20/22 09:29	1
1,4-Difluorobenzene (Surr)	84		70 - 130	11/16/22 14:22	11/20/22 09:29	1

Lab Sample ID: LCS 880-39731/1-A

Matrix: Solid

Analysis Batch: 39930

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07728		mg/Kg		77	70 - 130
Toluene	0.100	0.07585		mg/Kg		76	70 - 130
Ethylbenzene	0.100	0.07080		mg/Kg		71	70 - 130
m,p-Xylenes	0.200	0.1549		mg/Kg		77	70 - 130
o-Xylene	0.100	0.07339		mg/Kg		73	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-39731/2-A

Matrix: Solid

Analysis Batch: 39930

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07821		mg/Kg		78	70 - 130	1	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

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

Lab Sample ID: LCSD 880-39731/2-A

Matrix: Solid

Analysis Batch: 39930

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.07673		mg/Kg		77	70 - 130	1	35
Ethylbenzene	0.100	0.07186		mg/Kg		72	70 - 130	1	35
m,p-Xylenes	0.200	0.1580		mg/Kg		79	70 - 130	2	35
o-Xylene	0.100	0.07570		mg/Kg		76	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-21516-1 MS

Matrix: Solid

Analysis Batch: 39930

Client Sample ID: S-1, 1'

Prep Type: Total/NA

Prep Batch: 39731

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.1004		mg/Kg		101	70 - 130
Toluene	<0.00200	U	0.0996	0.08747		mg/Kg		88	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.07599		mg/Kg		76	70 - 130
m,p-Xylenes	<0.00401	U	0.199	0.1628		mg/Kg		81	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08041		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-21516-1 MSD

Matrix: Solid

Analysis Batch: 39930

Client Sample ID: S-1, 1'

Prep Type: Total/NA

Prep Batch: 39731

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.09126		mg/Kg		92	70 - 130	10	35
Toluene	<0.00200	U	0.0994	0.08289		mg/Kg		83	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.0994	0.07204		mg/Kg		72	70 - 130	5	35
m,p-Xylenes	<0.00401	U	0.199	0.1553		mg/Kg		77	70 - 130	5	35
o-Xylene	<0.00200	U	0.0994	0.07357		mg/Kg		74	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-39778/5-A

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39778

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 09:35	11/19/22 02:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 09:35	11/19/22 02:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 09:35	11/19/22 02:17	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/17/22 09:35	11/19/22 02:17	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

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

Lab Sample ID: MB 880-39778/5-A

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39778

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 09:35	11/19/22 02:17	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/17/22 09:35	11/19/22 02:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	11/17/22 09:35	11/19/22 02:17	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/17/22 09:35	11/19/22 02:17	1

Lab Sample ID: LCS 880-39778/1-A

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08007		mg/Kg		80	70 - 130
Toluene	0.100	0.1029		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1044		mg/Kg		104	70 - 130
m,p-Xylenes	0.200	0.1912		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09534		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-39778/2-A

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39778

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08010		mg/Kg		80	70 - 130	0	35
Toluene	0.100	0.09753		mg/Kg		98	70 - 130	5	35
Ethylbenzene	0.100	0.09716		mg/Kg		97	70 - 130	7	35
m,p-Xylenes	0.200	0.1792		mg/Kg		90	70 - 130	6	35
o-Xylene	0.100	0.09015		mg/Kg		90	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-39818/5-A

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39818

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:46	11/18/22 14:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:46	11/18/22 14:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:46	11/18/22 14:42	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/17/22 13:46	11/18/22 14:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 13:46	11/18/22 14:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/17/22 13:46	11/18/22 14:42	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	11/17/22 13:46	11/18/22 14:42	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/17/22 13:46	11/18/22 14:42	1

Lab Sample ID: MB 880-39847/5-A

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39847

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/19/22 21:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/19/22 21:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/19/22 21:50	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/17/22 15:13	11/19/22 21:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:13	11/19/22 21:50	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/17/22 15:13	11/19/22 21:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	11/17/22 15:13	11/19/22 21:50	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/17/22 15:13	11/19/22 21:50	1

Lab Sample ID: LCS 880-39847/1-A

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07828		mg/Kg		78	70 - 130
Toluene	0.100	0.09698		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09872		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.1796		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08841		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-39847/2-A

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39847

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07321		mg/Kg		73	70 - 130	7	35
Toluene	0.100	0.09197		mg/Kg		92	70 - 130	5	35
Ethylbenzene	0.100	0.09366		mg/Kg		94	70 - 130	5	35
m,p-Xylenes	0.200	0.1699		mg/Kg		85	70 - 130	6	35
o-Xylene	0.100	0.08436		mg/Kg		84	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

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

Lab Sample ID: 880-21516-28 MS

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: S-12, 1'

Prep Type: Total/NA

Prep Batch: 39847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0996	0.07842		mg/Kg		79	70 - 130
Toluene	<0.00201	U	0.0996	0.09046		mg/Kg		91	70 - 130
Ethylbenzene	<0.00201	U	0.0996	0.08898		mg/Kg		89	70 - 130
m,p-Xylenes	<0.00402	U	0.199	0.1613		mg/Kg		81	70 - 130
o-Xylene	<0.00201	U	0.0996	0.07906		mg/Kg		79	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-21516-28 MSD

Matrix: Solid

Analysis Batch: 39916

Client Sample ID: S-12, 1'

Prep Type: Total/NA

Prep Batch: 39847

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0994	0.07386		mg/Kg		74	70 - 130	6	35
Toluene	<0.00201	U	0.0994	0.08599		mg/Kg		87	70 - 130	5	35
Ethylbenzene	<0.00201	U	0.0994	0.08543		mg/Kg		86	70 - 130	4	35
m,p-Xylenes	<0.00402	U	0.199	0.1558		mg/Kg		78	70 - 130	3	35
o-Xylene	<0.00201	U	0.0994	0.07715		mg/Kg		77	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-39849/5-A

Matrix: Solid

Analysis Batch: 40172

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39849

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:36	11/22/22 15:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:36	11/22/22 15:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:36	11/22/22 15:10	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/17/22 15:36	11/22/22 15:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/17/22 15:36	11/22/22 15:10	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/17/22 15:36	11/22/22 15:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	11/17/22 15:36	11/22/22 15:10	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/17/22 15:36	11/22/22 15:10	1

Lab Sample ID: LCS 880-39849/1-A

Matrix: Solid

Analysis Batch: 40172

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08837		mg/Kg		88	70 - 130
Toluene	0.100	0.09998		mg/Kg		100	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

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

Lab Sample ID: LCS 880-39849/1-A

Matrix: Solid

Analysis Batch: 40172

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.09562		mg/Kg		96	70 - 130
m,p-Xylenes	0.200	0.2105		mg/Kg		105	70 - 130
o-Xylene	0.100	0.09927		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: LCSD 880-39849/2-A

Matrix: Solid

Analysis Batch: 40172

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39849

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1073		mg/Kg		107	70 - 130	19	35
Toluene	0.100	0.1202		mg/Kg		120	70 - 130	18	35
Ethylbenzene	0.100	0.1212		mg/Kg		121	70 - 130	24	35
m,p-Xylenes	0.200	0.2650	*+	mg/Kg		132	70 - 130	23	35
o-Xylene	0.100	0.1252		mg/Kg		125	70 - 130	23	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	164	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-21516-48 MS

Matrix: Solid

Analysis Batch: 40172

Client Sample ID: S-21, 5'

Prep Type: Total/NA

Prep Batch: 39849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.1088		mg/Kg		109	70 - 130
Toluene	<0.00200	U	0.0996	0.1189		mg/Kg		119	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.1168		mg/Kg		117	70 - 130
m,p-Xylenes	<0.00399	U *+	0.199	0.2563		mg/Kg		128	70 - 130
o-Xylene	<0.00200	U	0.0996	0.1168		mg/Kg		117	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-21516-48 MSD

Matrix: Solid

Analysis Batch: 40172

Client Sample ID: S-21, 5'

Prep Type: Total/NA

Prep Batch: 39849

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.0994	0.09611		mg/Kg		97	70 - 130	12	35
Toluene	<0.00200	U	0.0994	0.1090		mg/Kg		110	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.0994	0.09895		mg/Kg		100	70 - 130	17	35
m,p-Xylenes	<0.00399	U *+	0.199	0.2187		mg/Kg		109	70 - 130	16	35
o-Xylene	<0.00200	U	0.0994	0.09877		mg/Kg		99	70 - 130	17	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-40066/5-A
Matrix: Solid
Analysis Batch: 40035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40066

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/21/22 09:38	11/21/22 11:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/21/22 09:38	11/21/22 11:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/21/22 09:38	11/21/22 11:39	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/21/22 09:38	11/21/22 11:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/21/22 09:38	11/21/22 11:39	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/21/22 09:38	11/21/22 11:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	11/21/22 09:38	11/21/22 11:39	1
1,4-Difluorobenzene (Surr)	102		70 - 130	11/21/22 09:38	11/21/22 11:39	1

Lab Sample ID: LCS 880-40066/1-A
Matrix: Solid
Analysis Batch: 40035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1030		mg/Kg		103	70 - 130
Toluene	0.100	0.09620		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09403		mg/Kg		94	70 - 130
m,p-Xylenes	0.200	0.1915		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09388		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Lab Sample ID: LCSD 880-40066/2-A
Matrix: Solid
Analysis Batch: 40035

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40066

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08892		mg/Kg		89	70 - 130	15	35
Toluene	0.100	0.08710		mg/Kg		87	70 - 130	10	35
Ethylbenzene	0.100	0.08563		mg/Kg		86	70 - 130	9	35
m,p-Xylenes	0.200	0.1792		mg/Kg		90	70 - 130	7	35
o-Xylene	0.100	0.09507		mg/Kg		95	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

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

Lab Sample ID: 880-21516-14 MS

Matrix: Solid

Analysis Batch: 40035

Client Sample ID: S-7, 3'

Prep Type: Total/NA

Prep Batch: 40066

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.09550		mg/Kg		95	70 - 130
Toluene	<0.00201	U	0.101	0.09213		mg/Kg		91	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.09431		mg/Kg		94	70 - 130
m,p-Xylenes	<0.00402	U	0.202	0.1941		mg/Kg		96	70 - 130
o-Xylene	<0.00201	U	0.101	0.09715		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-21516-14 MSD

Matrix: Solid

Analysis Batch: 40035

Client Sample ID: S-7, 3'

Prep Type: Total/NA

Prep Batch: 40066

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1127		mg/Kg		113	70 - 130	17	35
Toluene	<0.00201	U	0.0996	0.1044		mg/Kg		104	70 - 130	13	35
Ethylbenzene	<0.00201	U	0.0996	0.1073		mg/Kg		108	70 - 130	13	35
m,p-Xylenes	<0.00402	U	0.199	0.2181		mg/Kg		109	70 - 130	12	35
o-Xylene	<0.00201	U	0.0996	0.1085		mg/Kg		109	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

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

Lab Sample ID: MB 880-39675/1-A

Matrix: Solid

Analysis Batch: 39762

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39675

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 08:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 08:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:19	11/17/22 08:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	11/16/22 09:19	11/17/22 08:41	1
o-Terphenyl (Surr)	94		70 - 130	11/16/22 09:19	11/17/22 08:41	1

Lab Sample ID: LCS 880-39675/2-A

Matrix: Solid

Analysis Batch: 39762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	840.8		mg/Kg		84	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

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

Lab Sample ID: LCS 880-39675/2-A

Matrix: Solid

Analysis Batch: 39762

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39675

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	868.5		mg/Kg		87	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits								
1-Chlorooctane (Surr)	95		70 - 130								
o-Terphenyl (Surr)	99		70 - 130								

Lab Sample ID: LCSD 880-39675/3-A

Matrix: Solid

Analysis Batch: 39762

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39675

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	839.6		mg/Kg	-	84	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	863.1		mg/Kg		86	70 - 130	1	20

Lab Sample ID: 880-21516-1 MS

Matrix: Solid

Analysis Batch: 39762

Client Sample ID: S-1, 1'

Prep Type: Total/NA

Prep Batch: 39675

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	971.8		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1032		mg/Kg		104	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	112		70 - 130								
o-Terphenyl (Surr)	88		70 - 130								

Lab Sample ID: 880-21516-1 MSD

Matrix: Solid

Analysis Batch: 39762

Client Sample ID: S-1, 1'

Prep Type: Total/NA

Prep Batch: 39675

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	932.4		mg/Kg		90	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1068		mg/Kg		107	70 - 130	3	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

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

Lab Sample ID: MB 880-39676/1-A

Matrix: Solid

Analysis Batch: 39764

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39676

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 08:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 08:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 09:22	11/17/22 08:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	11/16/22 09:22	11/17/22 08:41	1
o-Terphenyl (Surr)	118		70 - 130	11/16/22 09:22	11/17/22 08:41	1

Lab Sample ID: LCS 880-39676/2-A

Matrix: Solid

Analysis Batch: 39764

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	998.8		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1005		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-39676/3-A

Matrix: Solid

Analysis Batch: 39764

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39676

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	936.7		mg/Kg		94	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1012		mg/Kg		101	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	113		70 - 130

Lab Sample ID: 880-21516-21 MS

Matrix: Solid

Analysis Batch: 39764

Client Sample ID: S-9, 4.5'

Prep Type: Total/NA

Prep Batch: 39676

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	967.4		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	973.0		mg/Kg		98	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

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

Lab Sample ID: 880-21516-21 MS

Matrix: Solid

Analysis Batch: 39764

Client Sample ID: S-9, 4.5'

Prep Type: Total/NA

Prep Batch: 39676

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	91		70 - 130
o-Terphenyl (Surr)	87		70 - 130

Lab Sample ID: 880-21516-21 MSD

Matrix: Solid

Analysis Batch: 39764

Client Sample ID: S-9, 4.5'

Prep Type: Total/NA

Prep Batch: 39676

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	959.9		mg/Kg		93	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	995.0		mg/Kg		100	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	87		70 - 130

Lab Sample ID: MB 880-39724/1-A

Matrix: Solid

Analysis Batch: 39981

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39724

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 08:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 08:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/22 11:27	11/20/22 08:13	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	100		70 - 130	11/16/22 11:27	11/20/22 08:13	1
o-Terphenyl (Surr)	117		70 - 130	11/16/22 11:27	11/20/22 08:13	1

Lab Sample ID: LCS 880-39724/2-A

Matrix: Solid

Analysis Batch: 39981

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39724

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	939.9		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	997.2		mg/Kg		100	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	84		70 - 130
o-Terphenyl (Surr)	93		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

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

Lab Sample ID: LCSD 880-39724/3-A

Matrix: Solid

Analysis Batch: 39981

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39724

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	907.7		mg/Kg		91	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	962.3		mg/Kg		96	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	83		70 - 130						
o-Terphenyl (Surr)	93		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-39697/1-A

Matrix: Solid

Analysis Batch: 39997

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/19/22 17:25	1

Lab Sample ID: LCS 880-39697/2-A

Matrix: Solid

Analysis Batch: 39997

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	257.3		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-39697/3-A

Matrix: Solid

Analysis Batch: 39997

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	257.7		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-21516-4 MS

Matrix: Solid

Analysis Batch: 39997

Client Sample ID: S-2, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2410		1250	3720		mg/Kg		105	90 - 110		

Lab Sample ID: 880-21516-4 MSD

Matrix: Solid

Analysis Batch: 39997

Client Sample ID: S-2, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2410		1250	3687		mg/Kg		102	90 - 110	1	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-39704/1-A

Matrix: Solid

Analysis Batch: 39999

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/19/22 17:56	1

Lab Sample ID: LCS 880-39704/2-A

Matrix: Solid

Analysis Batch: 39999

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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 880-39704/3-A

Matrix: Solid

Analysis Batch: 39999

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.2		mg/Kg		100	90 - 110	3	20

Lab Sample ID: 880-21516-34 MS

Matrix: Solid

Analysis Batch: 39999

Client Sample ID: S-14, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1340	F1	1250	2913	F1	mg/Kg		126	90 - 110

Lab Sample ID: 880-21516-34 MSD

Matrix: Solid

Analysis Batch: 39999

Client Sample ID: S-14, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1340	F1	1250	2731	F1	mg/Kg		112	90 - 110	6	20

Lab Sample ID: 880-21516-44 MS

Matrix: Solid

Analysis Batch: 39999

Client Sample ID: S-17, 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	28.0		249	287.2		mg/Kg		104	90 - 110

Lab Sample ID: 880-21516-44 MSD

Matrix: Solid

Analysis Batch: 39999

Client Sample ID: S-17, 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	28.0		249	283.6		mg/Kg		103	90 - 110	1	20

Lab Sample ID: MB 880-39703/1-A

Matrix: Solid

Analysis Batch: 40001

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/19/22 20:34	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-39703/2-A

Matrix: Solid

Analysis Batch: 40001

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.8		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-39703/3-A

Matrix: Solid

Analysis Batch: 40001

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	256.3		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-21516-14 MS

Matrix: Solid

Analysis Batch: 40001

Client Sample ID: S-7, 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	33.7		250	297.0		mg/Kg		105	90 - 110

Lab Sample ID: 880-21516-14 MSD

Matrix: Solid

Analysis Batch: 40001

Client Sample ID: S-7, 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	33.7		250	298.9		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 880-21516-24 MS

Matrix: Solid

Analysis Batch: 40001

Client Sample ID: S-10, 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	42.4	F1	249	318.8	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-21516-24 MSD

Matrix: Solid

Analysis Batch: 40001

Client Sample ID: S-10, 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	42.4	F1	249	326.4	F1	mg/Kg		114	90 - 110	2	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

GC VOA

Prep Batch: 39722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39722/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 39731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-1	S-1, 1'	Total/NA	Solid	5035	
880-21516-2	S-1, 3'	Total/NA	Solid	5035	
880-21516-3	S-1, 5'	Total/NA	Solid	5035	
880-21516-4	S-2, 1'	Total/NA	Solid	5035	
880-21516-5	S-2, 3'	Total/NA	Solid	5035	
880-21516-6	S-2, 5'	Total/NA	Solid	5035	
880-21516-7	S-5, 1'	Total/NA	Solid	5035	
880-21516-8	S-5, 3'	Total/NA	Solid	5035	
880-21516-9	S-5, 5'	Total/NA	Solid	5035	
880-21516-10	S-6, 1'	Total/NA	Solid	5035	
880-21516-11	S-6, 3'	Total/NA	Solid	5035	
880-21516-12	S-6, 5'	Total/NA	Solid	5035	
880-21516-13	S-7, 1'	Total/NA	Solid	5035	
MB 880-39731/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39731/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39731/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21516-1 MS	S-1, 1'	Total/NA	Solid	5035	
880-21516-1 MSD	S-1, 1'	Total/NA	Solid	5035	

Prep Batch: 39778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-21	S-9, 4.5'	Total/NA	Solid	5035	
880-21516-22	S-10, 1'	Total/NA	Solid	5035	
880-21516-23	S-10, 3'	Total/NA	Solid	5035	
880-21516-24	S-10, 4.5'	Total/NA	Solid	5035	
880-21516-25	S-11, 1'	Total/NA	Solid	5035	
880-21516-26	S-11, 3'	Total/NA	Solid	5035	
880-21516-27	S-11, 4.5'	Total/NA	Solid	5035	
MB 880-39778/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39778/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39778/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 39818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39818/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 39847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-28	S-12, 1'	Total/NA	Solid	5035	
880-21516-29	S-12, 3'	Total/NA	Solid	5035	
880-21516-30	S-12, 5'	Total/NA	Solid	5035	
880-21516-31	S-13, 1'	Total/NA	Solid	5035	
880-21516-32	S-13, 3'	Total/NA	Solid	5035	
880-21516-33	S-13, 5'	Total/NA	Solid	5035	
880-21516-34	S-14, 1'	Total/NA	Solid	5035	
880-21516-35	S-14, 3'	Total/NA	Solid	5035	
880-21516-36	S-14, 5'	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

GC VOA (Continued)

Prep Batch: 39847 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-37	S-15, 1'	Total/NA	Solid	5035	
880-21516-38	S-15, 3'	Total/NA	Solid	5035	
880-21516-39	S-15, 5'	Total/NA	Solid	5035	
880-21516-40	S-16, 1'	Total/NA	Solid	5035	
880-21516-41	S-16, 3'	Total/NA	Solid	5035	
880-21516-42	S-16, 5'	Total/NA	Solid	5035	
880-21516-43	S-17, 1'	Total/NA	Solid	5035	
880-21516-44	S-17, 3'	Total/NA	Solid	5035	
880-21516-45	S-17, 5'	Total/NA	Solid	5035	
880-21516-46	S-21, 1'	Total/NA	Solid	5035	
880-21516-47	S-21, 3'	Total/NA	Solid	5035	
MB 880-39847/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39847/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39847/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21516-28 MS	S-12, 1'	Total/NA	Solid	5035	
880-21516-28 MSD	S-12, 1'	Total/NA	Solid	5035	

Prep Batch: 39849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-48	S-21, 5'	Total/NA	Solid	5035	
880-21516-49	S-22, 0-1'	Total/NA	Solid	5035	
MB 880-39849/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39849/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39849/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21516-48 MS	S-21, 5'	Total/NA	Solid	5035	
880-21516-48 MSD	S-21, 5'	Total/NA	Solid	5035	

Analysis Batch: 39916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-21	S-9, 4.5'	Total/NA	Solid	8021B	39778
880-21516-22	S-10, 1'	Total/NA	Solid	8021B	39778
880-21516-23	S-10, 3'	Total/NA	Solid	8021B	39778
880-21516-24	S-10, 4.5'	Total/NA	Solid	8021B	39778
880-21516-25	S-11, 1'	Total/NA	Solid	8021B	39778
880-21516-26	S-11, 3'	Total/NA	Solid	8021B	39778
880-21516-27	S-11, 4.5'	Total/NA	Solid	8021B	39778
880-21516-28	S-12, 1'	Total/NA	Solid	8021B	39847
880-21516-29	S-12, 3'	Total/NA	Solid	8021B	39847
880-21516-30	S-12, 5'	Total/NA	Solid	8021B	39847
880-21516-31	S-13, 1'	Total/NA	Solid	8021B	39847
880-21516-32	S-13, 3'	Total/NA	Solid	8021B	39847
880-21516-33	S-13, 5'	Total/NA	Solid	8021B	39847
880-21516-34	S-14, 1'	Total/NA	Solid	8021B	39847
880-21516-35	S-14, 3'	Total/NA	Solid	8021B	39847
880-21516-36	S-14, 5'	Total/NA	Solid	8021B	39847
880-21516-37	S-15, 1'	Total/NA	Solid	8021B	39847
880-21516-38	S-15, 3'	Total/NA	Solid	8021B	39847
880-21516-39	S-15, 5'	Total/NA	Solid	8021B	39847
880-21516-40	S-16, 1'	Total/NA	Solid	8021B	39847
880-21516-41	S-16, 3'	Total/NA	Solid	8021B	39847
880-21516-42	S-16, 5'	Total/NA	Solid	8021B	39847

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

GC VOA (Continued)

Analysis Batch: 39916 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-43	S-17, 1'	Total/NA	Solid	8021B	39847
880-21516-44	S-17, 3'	Total/NA	Solid	8021B	39847
880-21516-45	S-17, 5'	Total/NA	Solid	8021B	39847
880-21516-46	S-21, 1'	Total/NA	Solid	8021B	39847
880-21516-47	S-21, 3'	Total/NA	Solid	8021B	39847
MB 880-39778/5-A	Method Blank	Total/NA	Solid	8021B	39778
MB 880-39818/5-A	Method Blank	Total/NA	Solid	8021B	39818
MB 880-39847/5-A	Method Blank	Total/NA	Solid	8021B	39847
LCS 880-39778/1-A	Lab Control Sample	Total/NA	Solid	8021B	39778
LCS 880-39847/1-A	Lab Control Sample	Total/NA	Solid	8021B	39847
LCSD 880-39778/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39778
LCSD 880-39847/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39847
880-21516-28 MS	S-12, 1'	Total/NA	Solid	8021B	39847
880-21516-28 MSD	S-12, 1'	Total/NA	Solid	8021B	39847

Analysis Batch: 39930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-1	S-1, 1'	Total/NA	Solid	8021B	39731
880-21516-2	S-1, 3'	Total/NA	Solid	8021B	39731
880-21516-3	S-1, 5'	Total/NA	Solid	8021B	39731
880-21516-4	S-2, 1'	Total/NA	Solid	8021B	39731
880-21516-5	S-2, 3'	Total/NA	Solid	8021B	39731
880-21516-6	S-2, 5'	Total/NA	Solid	8021B	39731
880-21516-7	S-5, 1'	Total/NA	Solid	8021B	39731
880-21516-8	S-5, 3'	Total/NA	Solid	8021B	39731
880-21516-9	S-5, 5'	Total/NA	Solid	8021B	39731
880-21516-10	S-6, 1'	Total/NA	Solid	8021B	39731
880-21516-11	S-6, 3'	Total/NA	Solid	8021B	39731
880-21516-12	S-6, 5'	Total/NA	Solid	8021B	39731
880-21516-13	S-7, 1'	Total/NA	Solid	8021B	39731
MB 880-39722/5-A	Method Blank	Total/NA	Solid	8021B	39722
MB 880-39731/5-A	Method Blank	Total/NA	Solid	8021B	39731
LCS 880-39731/1-A	Lab Control Sample	Total/NA	Solid	8021B	39731
LCSD 880-39731/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39731
880-21516-1 MS	S-1, 1'	Total/NA	Solid	8021B	39731
880-21516-1 MSD	S-1, 1'	Total/NA	Solid	8021B	39731

Analysis Batch: 40035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-14	S-7, 3'	Total/NA	Solid	8021B	40066
880-21516-15	S-7, 5'	Total/NA	Solid	8021B	40066
880-21516-16	S-8, 1'	Total/NA	Solid	8021B	40066
880-21516-17	S-8, 3'	Total/NA	Solid	8021B	40066
880-21516-18	S-8, 5'	Total/NA	Solid	8021B	40066
880-21516-19	S-9, 1'	Total/NA	Solid	8021B	40066
880-21516-20	S-9, 3'	Total/NA	Solid	8021B	40066
MB 880-40066/5-A	Method Blank	Total/NA	Solid	8021B	40066
LCS 880-40066/1-A	Lab Control Sample	Total/NA	Solid	8021B	40066
LCSD 880-40066/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40066
880-21516-14 MS	S-7, 3'	Total/NA	Solid	8021B	40066
880-21516-14 MSD	S-7, 3'	Total/NA	Solid	8021B	40066

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

GC VOA

Prep Batch: 40066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-14	S-7, 3'	Total/NA	Solid	5035	
880-21516-15	S-7, 5'	Total/NA	Solid	5035	
880-21516-16	S-8, 1'	Total/NA	Solid	5035	
880-21516-17	S-8, 3'	Total/NA	Solid	5035	
880-21516-18	S-8, 5'	Total/NA	Solid	5035	
880-21516-19	S-9, 1'	Total/NA	Solid	5035	
880-21516-20	S-9, 3'	Total/NA	Solid	5035	
MB 880-40066/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40066/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40066/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21516-14 MS	S-7, 3'	Total/NA	Solid	5035	
880-21516-14 MSD	S-7, 3'	Total/NA	Solid	5035	

Analysis Batch: 40124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-1	S-1, 1'	Total/NA	Solid	Total BTEX	
880-21516-2	S-1, 3'	Total/NA	Solid	Total BTEX	
880-21516-3	S-1, 5'	Total/NA	Solid	Total BTEX	
880-21516-4	S-2, 1'	Total/NA	Solid	Total BTEX	
880-21516-5	S-2, 3'	Total/NA	Solid	Total BTEX	
880-21516-6	S-2, 5'	Total/NA	Solid	Total BTEX	
880-21516-7	S-5, 1'	Total/NA	Solid	Total BTEX	
880-21516-8	S-5, 3'	Total/NA	Solid	Total BTEX	
880-21516-9	S-5, 5'	Total/NA	Solid	Total BTEX	
880-21516-10	S-6, 1'	Total/NA	Solid	Total BTEX	
880-21516-11	S-6, 3'	Total/NA	Solid	Total BTEX	
880-21516-12	S-6, 5'	Total/NA	Solid	Total BTEX	
880-21516-13	S-7, 1'	Total/NA	Solid	Total BTEX	
880-21516-14	S-7, 3'	Total/NA	Solid	Total BTEX	
880-21516-15	S-7, 5'	Total/NA	Solid	Total BTEX	
880-21516-16	S-8, 1'	Total/NA	Solid	Total BTEX	
880-21516-17	S-8, 3'	Total/NA	Solid	Total BTEX	
880-21516-18	S-8, 5'	Total/NA	Solid	Total BTEX	
880-21516-19	S-9, 1'	Total/NA	Solid	Total BTEX	
880-21516-20	S-9, 3'	Total/NA	Solid	Total BTEX	
880-21516-21	S-9, 4.5'	Total/NA	Solid	Total BTEX	
880-21516-22	S-10, 1'	Total/NA	Solid	Total BTEX	
880-21516-23	S-10, 3'	Total/NA	Solid	Total BTEX	
880-21516-24	S-10, 4.5'	Total/NA	Solid	Total BTEX	
880-21516-25	S-11, 1'	Total/NA	Solid	Total BTEX	
880-21516-26	S-11, 3'	Total/NA	Solid	Total BTEX	
880-21516-27	S-11, 4.5'	Total/NA	Solid	Total BTEX	
880-21516-28	S-12, 1'	Total/NA	Solid	Total BTEX	
880-21516-29	S-12, 3'	Total/NA	Solid	Total BTEX	
880-21516-30	S-12, 5'	Total/NA	Solid	Total BTEX	
880-21516-31	S-13, 1'	Total/NA	Solid	Total BTEX	
880-21516-32	S-13, 3'	Total/NA	Solid	Total BTEX	
880-21516-33	S-13, 5'	Total/NA	Solid	Total BTEX	
880-21516-34	S-14, 1'	Total/NA	Solid	Total BTEX	
880-21516-35	S-14, 3'	Total/NA	Solid	Total BTEX	
880-21516-36	S-14, 5'	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

GC VOA (Continued)

Analysis Batch: 40124 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-37	S-15, 1'	Total/NA	Solid	Total BTEX	
880-21516-38	S-15, 3'	Total/NA	Solid	Total BTEX	
880-21516-39	S-15, 5'	Total/NA	Solid	Total BTEX	
880-21516-40	S-16, 1'	Total/NA	Solid	Total BTEX	
880-21516-41	S-16, 3'	Total/NA	Solid	Total BTEX	
880-21516-42	S-16, 5'	Total/NA	Solid	Total BTEX	
880-21516-43	S-17, 1'	Total/NA	Solid	Total BTEX	
880-21516-44	S-17, 3'	Total/NA	Solid	Total BTEX	
880-21516-45	S-17, 5'	Total/NA	Solid	Total BTEX	
880-21516-46	S-21, 1'	Total/NA	Solid	Total BTEX	
880-21516-47	S-21, 3'	Total/NA	Solid	Total BTEX	
880-21516-48	S-21, 5'	Total/NA	Solid	Total BTEX	
880-21516-49	S-22, 0-1'	Total/NA	Solid	Total BTEX	

Analysis Batch: 40172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-48	S-21, 5'	Total/NA	Solid	8021B	39849
880-21516-49	S-22, 0-1'	Total/NA	Solid	8021B	39849
MB 880-39849/5-A	Method Blank	Total/NA	Solid	8021B	39849
LCS 880-39849/1-A	Lab Control Sample	Total/NA	Solid	8021B	39849
LCSD 880-39849/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39849
880-21516-48 MS	S-21, 5'	Total/NA	Solid	8021B	39849
880-21516-48 MSD	S-21, 5'	Total/NA	Solid	8021B	39849

GC Semi VOA

Prep Batch: 39675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-1	S-1, 1'	Total/NA	Solid	8015NM Prep	
880-21516-2	S-1, 3'	Total/NA	Solid	8015NM Prep	
880-21516-3	S-1, 5'	Total/NA	Solid	8015NM Prep	
880-21516-4	S-2, 1'	Total/NA	Solid	8015NM Prep	
880-21516-5	S-2, 3'	Total/NA	Solid	8015NM Prep	
880-21516-6	S-2, 5'	Total/NA	Solid	8015NM Prep	
880-21516-7	S-5, 1'	Total/NA	Solid	8015NM Prep	
880-21516-8	S-5, 3'	Total/NA	Solid	8015NM Prep	
880-21516-9	S-5, 5'	Total/NA	Solid	8015NM Prep	
880-21516-10	S-6, 1'	Total/NA	Solid	8015NM Prep	
880-21516-11	S-6, 3'	Total/NA	Solid	8015NM Prep	
880-21516-12	S-6, 5'	Total/NA	Solid	8015NM Prep	
880-21516-13	S-7, 1'	Total/NA	Solid	8015NM Prep	
880-21516-14	S-7, 3'	Total/NA	Solid	8015NM Prep	
880-21516-15	S-7, 5'	Total/NA	Solid	8015NM Prep	
880-21516-16	S-8, 1'	Total/NA	Solid	8015NM Prep	
880-21516-17	S-8, 3'	Total/NA	Solid	8015NM Prep	
880-21516-18	S-8, 5'	Total/NA	Solid	8015NM Prep	
880-21516-19	S-9, 1'	Total/NA	Solid	8015NM Prep	
880-21516-20	S-9, 3'	Total/NA	Solid	8015NM Prep	
MB 880-39675/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39675/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39675/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

GC Semi VOA (Continued)

Prep Batch: 39675 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-1 MS	S-1, 1'	Total/NA	Solid	8015NM Prep	
880-21516-1 MSD	S-1, 1'	Total/NA	Solid	8015NM Prep	

Prep Batch: 39676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-21	S-9, 4.5'	Total/NA	Solid	8015NM Prep	
880-21516-22	S-10, 1'	Total/NA	Solid	8015NM Prep	
880-21516-23	S-10, 3'	Total/NA	Solid	8015NM Prep	
880-21516-24	S-10, 4.5'	Total/NA	Solid	8015NM Prep	
880-21516-25	S-11, 1'	Total/NA	Solid	8015NM Prep	
880-21516-26	S-11, 3'	Total/NA	Solid	8015NM Prep	
880-21516-27	S-11, 4.5'	Total/NA	Solid	8015NM Prep	
880-21516-28	S-12, 1'	Total/NA	Solid	8015NM Prep	
880-21516-29	S-12, 3'	Total/NA	Solid	8015NM Prep	
880-21516-30	S-12, 5'	Total/NA	Solid	8015NM Prep	
880-21516-31	S-13, 1'	Total/NA	Solid	8015NM Prep	
880-21516-32	S-13, 3'	Total/NA	Solid	8015NM Prep	
880-21516-33	S-13, 5'	Total/NA	Solid	8015NM Prep	
880-21516-34	S-14, 1'	Total/NA	Solid	8015NM Prep	
880-21516-35	S-14, 3'	Total/NA	Solid	8015NM Prep	
880-21516-36	S-14, 5'	Total/NA	Solid	8015NM Prep	
880-21516-37	S-15, 1'	Total/NA	Solid	8015NM Prep	
880-21516-38	S-15, 3'	Total/NA	Solid	8015NM Prep	
880-21516-39	S-15, 5'	Total/NA	Solid	8015NM Prep	
880-21516-40	S-16, 1'	Total/NA	Solid	8015NM Prep	
MB 880-39676/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39676/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39676/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21516-21 MS	S-9, 4.5'	Total/NA	Solid	8015NM Prep	
880-21516-21 MSD	S-9, 4.5'	Total/NA	Solid	8015NM Prep	

Prep Batch: 39724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-41	S-16, 3'	Total/NA	Solid	8015NM Prep	
880-21516-42	S-16, 5'	Total/NA	Solid	8015NM Prep	
880-21516-43	S-17, 1'	Total/NA	Solid	8015NM Prep	
880-21516-44	S-17, 3'	Total/NA	Solid	8015NM Prep	
880-21516-45	S-17, 5'	Total/NA	Solid	8015NM Prep	
880-21516-46	S-21, 1'	Total/NA	Solid	8015NM Prep	
880-21516-47	S-21, 3'	Total/NA	Solid	8015NM Prep	
880-21516-48	S-21, 5'	Total/NA	Solid	8015NM Prep	
880-21516-49	S-22, 0-1'	Total/NA	Solid	8015NM Prep	
MB 880-39724/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39724/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39724/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 39762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-1	S-1, 1'	Total/NA	Solid	8015B NM	39675
880-21516-2	S-1, 3'	Total/NA	Solid	8015B NM	39675
880-21516-3	S-1, 5'	Total/NA	Solid	8015B NM	39675

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

GC Semi VOA (Continued)

Analysis Batch: 39762 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-4	S-2, 1'	Total/NA	Solid	8015B NM	39675
880-21516-5	S-2, 3'	Total/NA	Solid	8015B NM	39675
880-21516-6	S-2, 5'	Total/NA	Solid	8015B NM	39675
880-21516-7	S-5, 1'	Total/NA	Solid	8015B NM	39675
880-21516-8	S-5, 3'	Total/NA	Solid	8015B NM	39675
880-21516-9	S-5, 5'	Total/NA	Solid	8015B NM	39675
880-21516-10	S-6, 1'	Total/NA	Solid	8015B NM	39675
880-21516-11	S-6, 3'	Total/NA	Solid	8015B NM	39675
880-21516-12	S-6, 5'	Total/NA	Solid	8015B NM	39675
880-21516-13	S-7, 1'	Total/NA	Solid	8015B NM	39675
880-21516-14	S-7, 3'	Total/NA	Solid	8015B NM	39675
880-21516-15	S-7, 5'	Total/NA	Solid	8015B NM	39675
880-21516-16	S-8, 1'	Total/NA	Solid	8015B NM	39675
880-21516-17	S-8, 3'	Total/NA	Solid	8015B NM	39675
880-21516-18	S-8, 5'	Total/NA	Solid	8015B NM	39675
880-21516-19	S-9, 1'	Total/NA	Solid	8015B NM	39675
880-21516-20	S-9, 3'	Total/NA	Solid	8015B NM	39675
MB 880-39675/1-A	Method Blank	Total/NA	Solid	8015B NM	39675
LCS 880-39675/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39675
LCSD 880-39675/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39675
880-21516-1 MS	S-1, 1'	Total/NA	Solid	8015B NM	39675
880-21516-1 MSD	S-1, 1'	Total/NA	Solid	8015B NM	39675

Analysis Batch: 39764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-21	S-9, 4.5'	Total/NA	Solid	8015B NM	39676
880-21516-22	S-10, 1'	Total/NA	Solid	8015B NM	39676
880-21516-23	S-10, 3'	Total/NA	Solid	8015B NM	39676
880-21516-24	S-10, 4.5'	Total/NA	Solid	8015B NM	39676
880-21516-25	S-11, 1'	Total/NA	Solid	8015B NM	39676
880-21516-26	S-11, 3'	Total/NA	Solid	8015B NM	39676
880-21516-27	S-11, 4.5'	Total/NA	Solid	8015B NM	39676
880-21516-28	S-12, 1'	Total/NA	Solid	8015B NM	39676
880-21516-29	S-12, 3'	Total/NA	Solid	8015B NM	39676
880-21516-30	S-12, 5'	Total/NA	Solid	8015B NM	39676
880-21516-31	S-13, 1'	Total/NA	Solid	8015B NM	39676
880-21516-32	S-13, 3'	Total/NA	Solid	8015B NM	39676
880-21516-33	S-13, 5'	Total/NA	Solid	8015B NM	39676
880-21516-34	S-14, 1'	Total/NA	Solid	8015B NM	39676
880-21516-35	S-14, 3'	Total/NA	Solid	8015B NM	39676
880-21516-36	S-14, 5'	Total/NA	Solid	8015B NM	39676
880-21516-37	S-15, 1'	Total/NA	Solid	8015B NM	39676
880-21516-38	S-15, 3'	Total/NA	Solid	8015B NM	39676
880-21516-39	S-15, 5'	Total/NA	Solid	8015B NM	39676
880-21516-40	S-16, 1'	Total/NA	Solid	8015B NM	39676
MB 880-39676/1-A	Method Blank	Total/NA	Solid	8015B NM	39676
LCS 880-39676/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39676
LCSD 880-39676/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39676
880-21516-21 MS	S-9, 4.5'	Total/NA	Solid	8015B NM	39676
880-21516-21 MSD	S-9, 4.5'	Total/NA	Solid	8015B NM	39676

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

GC Semi VOA

Analysis Batch: 39904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-1	S-1, 1'	Total/NA	Solid	8015 NM	
880-21516-2	S-1, 3'	Total/NA	Solid	8015 NM	
880-21516-3	S-1, 5'	Total/NA	Solid	8015 NM	
880-21516-4	S-2, 1'	Total/NA	Solid	8015 NM	
880-21516-5	S-2, 3'	Total/NA	Solid	8015 NM	
880-21516-6	S-2, 5'	Total/NA	Solid	8015 NM	
880-21516-7	S-5, 1'	Total/NA	Solid	8015 NM	
880-21516-8	S-5, 3'	Total/NA	Solid	8015 NM	
880-21516-9	S-5, 5'	Total/NA	Solid	8015 NM	
880-21516-10	S-6, 1'	Total/NA	Solid	8015 NM	
880-21516-11	S-6, 3'	Total/NA	Solid	8015 NM	
880-21516-12	S-6, 5'	Total/NA	Solid	8015 NM	
880-21516-13	S-7, 1'	Total/NA	Solid	8015 NM	
880-21516-14	S-7, 3'	Total/NA	Solid	8015 NM	
880-21516-15	S-7, 5'	Total/NA	Solid	8015 NM	
880-21516-16	S-8, 1'	Total/NA	Solid	8015 NM	
880-21516-17	S-8, 3'	Total/NA	Solid	8015 NM	
880-21516-18	S-8, 5'	Total/NA	Solid	8015 NM	
880-21516-19	S-9, 1'	Total/NA	Solid	8015 NM	
880-21516-20	S-9, 3'	Total/NA	Solid	8015 NM	
880-21516-21	S-9, 4.5'	Total/NA	Solid	8015 NM	
880-21516-22	S-10, 1'	Total/NA	Solid	8015 NM	
880-21516-23	S-10, 3'	Total/NA	Solid	8015 NM	
880-21516-24	S-10, 4.5'	Total/NA	Solid	8015 NM	
880-21516-25	S-11, 1'	Total/NA	Solid	8015 NM	
880-21516-26	S-11, 3'	Total/NA	Solid	8015 NM	
880-21516-27	S-11, 4.5'	Total/NA	Solid	8015 NM	
880-21516-28	S-12, 1'	Total/NA	Solid	8015 NM	
880-21516-29	S-12, 3'	Total/NA	Solid	8015 NM	
880-21516-30	S-12, 5'	Total/NA	Solid	8015 NM	
880-21516-31	S-13, 1'	Total/NA	Solid	8015 NM	
880-21516-32	S-13, 3'	Total/NA	Solid	8015 NM	
880-21516-33	S-13, 5'	Total/NA	Solid	8015 NM	
880-21516-34	S-14, 1'	Total/NA	Solid	8015 NM	
880-21516-35	S-14, 3'	Total/NA	Solid	8015 NM	
880-21516-36	S-14, 5'	Total/NA	Solid	8015 NM	
880-21516-37	S-15, 1'	Total/NA	Solid	8015 NM	
880-21516-38	S-15, 3'	Total/NA	Solid	8015 NM	
880-21516-39	S-15, 5'	Total/NA	Solid	8015 NM	
880-21516-40	S-16, 1'	Total/NA	Solid	8015 NM	
880-21516-41	S-16, 3'	Total/NA	Solid	8015 NM	
880-21516-42	S-16, 5'	Total/NA	Solid	8015 NM	
880-21516-43	S-17, 1'	Total/NA	Solid	8015 NM	
880-21516-44	S-17, 3'	Total/NA	Solid	8015 NM	
880-21516-45	S-17, 5'	Total/NA	Solid	8015 NM	
880-21516-46	S-21, 1'	Total/NA	Solid	8015 NM	
880-21516-47	S-21, 3'	Total/NA	Solid	8015 NM	
880-21516-48	S-21, 5'	Total/NA	Solid	8015 NM	
880-21516-49	S-22, 0-1'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

GC Semi VOA

Analysis Batch: 39981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-41	S-16, 3'	Total/NA	Solid	8015B NM	39724
880-21516-42	S-16, 5'	Total/NA	Solid	8015B NM	39724
880-21516-43	S-17, 1'	Total/NA	Solid	8015B NM	39724
880-21516-44	S-17, 3'	Total/NA	Solid	8015B NM	39724
880-21516-45	S-17, 5'	Total/NA	Solid	8015B NM	39724
880-21516-46	S-21, 1'	Total/NA	Solid	8015B NM	39724
880-21516-47	S-21, 3'	Total/NA	Solid	8015B NM	39724
880-21516-48	S-21, 5'	Total/NA	Solid	8015B NM	39724
880-21516-49	S-22, 0-1'	Total/NA	Solid	8015B NM	39724
MB 880-39724/1-A	Method Blank	Total/NA	Solid	8015B NM	39724
LCS 880-39724/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39724
LCSD 880-39724/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39724

HPLC/IC

Leach Batch: 39697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-1	S-1, 1'	Soluble	Solid	DI Leach	
880-21516-2	S-1, 3'	Soluble	Solid	DI Leach	
880-21516-3	S-1, 5'	Soluble	Solid	DI Leach	
880-21516-4	S-2, 1'	Soluble	Solid	DI Leach	
880-21516-5	S-2, 3'	Soluble	Solid	DI Leach	
880-21516-6	S-2, 5'	Soluble	Solid	DI Leach	
880-21516-7	S-5, 1'	Soluble	Solid	DI Leach	
880-21516-8	S-5, 3'	Soluble	Solid	DI Leach	
880-21516-9	S-5, 5'	Soluble	Solid	DI Leach	
880-21516-10	S-6, 1'	Soluble	Solid	DI Leach	
880-21516-11	S-6, 3'	Soluble	Solid	DI Leach	
880-21516-12	S-6, 5'	Soluble	Solid	DI Leach	
880-21516-13	S-7, 1'	Soluble	Solid	DI Leach	
MB 880-39697/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39697/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39697/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21516-4 MS	S-2, 1'	Soluble	Solid	DI Leach	
880-21516-4 MSD	S-2, 1'	Soluble	Solid	DI Leach	

Leach Batch: 39703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-14	S-7, 3'	Soluble	Solid	DI Leach	
880-21516-15	S-7, 5'	Soluble	Solid	DI Leach	
880-21516-16	S-8, 1'	Soluble	Solid	DI Leach	
880-21516-17	S-8, 3'	Soluble	Solid	DI Leach	
880-21516-18	S-8, 5'	Soluble	Solid	DI Leach	
880-21516-19	S-9, 1'	Soluble	Solid	DI Leach	
880-21516-20	S-9, 3'	Soluble	Solid	DI Leach	
880-21516-21	S-9, 4.5'	Soluble	Solid	DI Leach	
880-21516-22	S-10, 1'	Soluble	Solid	DI Leach	
880-21516-23	S-10, 3'	Soluble	Solid	DI Leach	
880-21516-24	S-10, 4.5'	Soluble	Solid	DI Leach	
880-21516-25	S-11, 1'	Soluble	Solid	DI Leach	
880-21516-26	S-11, 3'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

HPLC/IC (Continued)

Leach Batch: 39703 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-27	S-11, 4.5'	Soluble	Solid	DI Leach	
880-21516-28	S-12, 1'	Soluble	Solid	DI Leach	
880-21516-29	S-12, 3'	Soluble	Solid	DI Leach	
880-21516-30	S-12, 5'	Soluble	Solid	DI Leach	
880-21516-31	S-13, 1'	Soluble	Solid	DI Leach	
880-21516-32	S-13, 3'	Soluble	Solid	DI Leach	
880-21516-33	S-13, 5'	Soluble	Solid	DI Leach	
MB 880-39703/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39703/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39703/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21516-14 MS	S-7, 3'	Soluble	Solid	DI Leach	
880-21516-14 MSD	S-7, 3'	Soluble	Solid	DI Leach	
880-21516-24 MS	S-10, 4.5'	Soluble	Solid	DI Leach	
880-21516-24 MSD	S-10, 4.5'	Soluble	Solid	DI Leach	

Leach Batch: 39704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-34	S-14, 1'	Soluble	Solid	DI Leach	
880-21516-35	S-14, 3'	Soluble	Solid	DI Leach	
880-21516-36	S-14, 5'	Soluble	Solid	DI Leach	
880-21516-37	S-15, 1'	Soluble	Solid	DI Leach	
880-21516-38	S-15, 3'	Soluble	Solid	DI Leach	
880-21516-39	S-15, 5'	Soluble	Solid	DI Leach	
880-21516-40	S-16, 1'	Soluble	Solid	DI Leach	
880-21516-41	S-16, 3'	Soluble	Solid	DI Leach	
880-21516-42	S-16, 5'	Soluble	Solid	DI Leach	
880-21516-43	S-17, 1'	Soluble	Solid	DI Leach	
880-21516-44	S-17, 3'	Soluble	Solid	DI Leach	
880-21516-45	S-17, 5'	Soluble	Solid	DI Leach	
880-21516-46	S-21, 1'	Soluble	Solid	DI Leach	
880-21516-47	S-21, 3'	Soluble	Solid	DI Leach	
880-21516-48	S-21, 5'	Soluble	Solid	DI Leach	
880-21516-49	S-22, 0-1'	Soluble	Solid	DI Leach	
MB 880-39704/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39704/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39704/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21516-34 MS	S-14, 1'	Soluble	Solid	DI Leach	
880-21516-34 MSD	S-14, 1'	Soluble	Solid	DI Leach	
880-21516-44 MS	S-17, 3'	Soluble	Solid	DI Leach	
880-21516-44 MSD	S-17, 3'	Soluble	Solid	DI Leach	

Analysis Batch: 39997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-1	S-1, 1'	Soluble	Solid	300.0	39697
880-21516-2	S-1, 3'	Soluble	Solid	300.0	39697
880-21516-3	S-1, 5'	Soluble	Solid	300.0	39697
880-21516-4	S-2, 1'	Soluble	Solid	300.0	39697
880-21516-5	S-2, 3'	Soluble	Solid	300.0	39697
880-21516-6	S-2, 5'	Soluble	Solid	300.0	39697
880-21516-7	S-5, 1'	Soluble	Solid	300.0	39697
880-21516-8	S-5, 3'	Soluble	Solid	300.0	39697

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

HPLC/IC (Continued)

Analysis Batch: 39997 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-9	S-5, 5'	Soluble	Solid	300.0	39697
880-21516-10	S-6, 1'	Soluble	Solid	300.0	39697
880-21516-11	S-6, 3'	Soluble	Solid	300.0	39697
880-21516-12	S-6, 5'	Soluble	Solid	300.0	39697
880-21516-13	S-7, 1'	Soluble	Solid	300.0	39697
MB 880-39697/1-A	Method Blank	Soluble	Solid	300.0	39697
LCS 880-39697/2-A	Lab Control Sample	Soluble	Solid	300.0	39697
LCSD 880-39697/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39697
880-21516-4 MS	S-2, 1'	Soluble	Solid	300.0	39697
880-21516-4 MSD	S-2, 1'	Soluble	Solid	300.0	39697

Analysis Batch: 39999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-34	S-14, 1'	Soluble	Solid	300.0	39704
880-21516-35	S-14, 3'	Soluble	Solid	300.0	39704
880-21516-36	S-14, 5'	Soluble	Solid	300.0	39704
880-21516-37	S-15, 1'	Soluble	Solid	300.0	39704
880-21516-38	S-15, 3'	Soluble	Solid	300.0	39704
880-21516-39	S-15, 5'	Soluble	Solid	300.0	39704
880-21516-40	S-16, 1'	Soluble	Solid	300.0	39704
880-21516-41	S-16, 3'	Soluble	Solid	300.0	39704
880-21516-42	S-16, 5'	Soluble	Solid	300.0	39704
880-21516-43	S-17, 1'	Soluble	Solid	300.0	39704
880-21516-44	S-17, 3'	Soluble	Solid	300.0	39704
880-21516-45	S-17, 5'	Soluble	Solid	300.0	39704
880-21516-46	S-21, 1'	Soluble	Solid	300.0	39704
880-21516-47	S-21, 3'	Soluble	Solid	300.0	39704
880-21516-48	S-21, 5'	Soluble	Solid	300.0	39704
880-21516-49	S-22, 0-1'	Soluble	Solid	300.0	39704
MB 880-39704/1-A	Method Blank	Soluble	Solid	300.0	39704
LCS 880-39704/2-A	Lab Control Sample	Soluble	Solid	300.0	39704
LCSD 880-39704/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39704
880-21516-34 MS	S-14, 1'	Soluble	Solid	300.0	39704
880-21516-34 MSD	S-14, 1'	Soluble	Solid	300.0	39704
880-21516-44 MS	S-17, 3'	Soluble	Solid	300.0	39704
880-21516-44 MSD	S-17, 3'	Soluble	Solid	300.0	39704

Analysis Batch: 40001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-14	S-7, 3'	Soluble	Solid	300.0	39703
880-21516-15	S-7, 5'	Soluble	Solid	300.0	39703
880-21516-16	S-8, 1'	Soluble	Solid	300.0	39703
880-21516-17	S-8, 3'	Soluble	Solid	300.0	39703
880-21516-18	S-8, 5'	Soluble	Solid	300.0	39703
880-21516-19	S-9, 1'	Soluble	Solid	300.0	39703
880-21516-20	S-9, 3'	Soluble	Solid	300.0	39703
880-21516-21	S-9, 4.5'	Soluble	Solid	300.0	39703
880-21516-22	S-10, 1'	Soluble	Solid	300.0	39703
880-21516-23	S-10, 3'	Soluble	Solid	300.0	39703
880-21516-24	S-10, 4.5'	Soluble	Solid	300.0	39703
880-21516-25	S-11, 1'	Soluble	Solid	300.0	39703

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

HPLC/IC (Continued)

Analysis Batch: 40001 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21516-26	S-11, 3'	Soluble	Solid	300.0	39703
880-21516-27	S-11, 4.5'	Soluble	Solid	300.0	39703
880-21516-28	S-12, 1'	Soluble	Solid	300.0	39703
880-21516-29	S-12, 3'	Soluble	Solid	300.0	39703
880-21516-30	S-12, 5'	Soluble	Solid	300.0	39703
880-21516-31	S-13, 1'	Soluble	Solid	300.0	39703
880-21516-32	S-13, 3'	Soluble	Solid	300.0	39703
880-21516-33	S-13, 5'	Soluble	Solid	300.0	39703
MB 880-39703/1-A	Method Blank	Soluble	Solid	300.0	39703
LCS 880-39703/2-A	Lab Control Sample	Soluble	Solid	300.0	39703
LCSD 880-39703/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39703
880-21516-14 MS	S-7, 3'	Soluble	Solid	300.0	39703
880-21516-14 MSD	S-7, 3'	Soluble	Solid	300.0	39703
880-21516-24 MS	S-10, 4.5'	Soluble	Solid	300.0	39703
880-21516-24 MSD	S-10, 4.5'	Soluble	Solid	300.0	39703

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-1, 1'

Lab Sample ID: 880-21516-1

Date Collected: 11/10/22 10:30

Matrix: Solid

Date Received: 11/14/22 11:01

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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 09:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 11:11	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39697	11/16/22 10:35	KS	EET MID
Soluble	Analysis	300.0		1			39997	11/19/22 18:44	SMC	EET MID

Client Sample ID: S-1, 3'

Lab Sample ID: 880-21516-2

Date Collected: 11/10/22 10:35

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 10:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 12:16	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39697	11/16/22 10:35	KS	EET MID
Soluble	Analysis	300.0		1			39997	11/19/22 18:50	SMC	EET MID

Client Sample ID: S-1, 5'

Lab Sample ID: 880-21516-3

Date Collected: 11/10/22 10:40

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 10:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 12:38	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39697	11/16/22 10:35	KS	EET MID
Soluble	Analysis	300.0		1			39997	11/19/22 18:56	SMC	EET MID

Client Sample ID: S-2, 1'

Lab Sample ID: 880-21516-4

Date Collected: 11/10/22 10:45

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 11:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-2, 1'

Lab Sample ID: 880-21516-4

Date Collected: 11/10/22 10:45

Matrix: Solid

Date Received: 11/14/22 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 13:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39697	11/16/22 10:36	KS	EET MID
Soluble	Analysis	300.0		5			39997	11/19/22 19:01	SMC	EET MID

Client Sample ID: S-2, 3'

Lab Sample ID: 880-21516-5

Date Collected: 11/10/22 10:50

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 11:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 13:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39697	11/16/22 10:36	KS	EET MID
Soluble	Analysis	300.0		1			39997	11/19/22 19:18	SMC	EET MID

Client Sample ID: S-2, 5'

Lab Sample ID: 880-21516-6

Date Collected: 11/10/22 10:55

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 12:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 13:43	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39697	11/16/22 10:36	KS	EET MID
Soluble	Analysis	300.0		1			39997	11/19/22 19:24	SMC	EET MID

Client Sample ID: S-5, 1'

Lab Sample ID: 880-21516-7

Date Collected: 11/10/22 11:00

Matrix: Solid

Date Received: 11/14/22 11:01

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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 12:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 14:05	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-5, 1'

Lab Sample ID: 880-21516-7

Date Collected: 11/10/22 11:00

Matrix: Solid

Date Received: 11/14/22 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	39697	11/16/22 10:36	KS	EET MID
Soluble	Analysis	300.0		5			39997	11/19/22 19:41	SMC	EET MID

Client Sample ID: S-5, 3'

Lab Sample ID: 880-21516-8

Date Collected: 11/10/22 11:05

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 12:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 14:27	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39697	11/16/22 10:36	KS	EET MID
Soluble	Analysis	300.0		1			39997	11/19/22 19:46	SMC	EET MID

Client Sample ID: S-5, 5'

Lab Sample ID: 880-21516-9

Date Collected: 11/10/22 11:10

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 13:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 14:49	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39697	11/16/22 10:36	KS	EET MID
Soluble	Analysis	300.0		1			39997	11/20/22 13:36	SMC	EET MID

Client Sample ID: S-6, 1'

Lab Sample ID: 880-21516-10

Date Collected: 11/10/22 11:15

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 13:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 15:11	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39697	11/16/22 10:36	KS	EET MID
Soluble	Analysis	300.0		5			39997	11/19/22 19:53	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-6, 3'

Lab Sample ID: 880-21516-11

Date Collected: 11/10/22 11:20

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 15:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 16:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39697	11/16/22 10:36	KS	EET MID
Soluble	Analysis	300.0		1			39997	11/19/22 19:59	SMC	EET MID

Client Sample ID: S-6, 5'

Lab Sample ID: 880-21516-12

Date Collected: 11/10/22 11:25

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 16:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 16:34	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39697	11/16/22 10:36	KS	EET MID
Soluble	Analysis	300.0		1			39997	11/20/22 09:40	SMC	EET MID

Client Sample ID: S-7, 1'

Lab Sample ID: 880-21516-13

Date Collected: 11/10/22 11:30

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39731	11/16/22 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/20/22 16:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 16:56	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39697	11/16/22 10:36	KS	EET MID
Soluble	Analysis	300.0		5			39997	11/19/22 20:06	SMC	EET MID

Client Sample ID: S-7, 3'

Lab Sample ID: 880-21516-14

Date Collected: 11/10/22 11:35

Matrix: Solid

Date Received: 11/14/22 11:01

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	40066	11/21/22 09:38	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40035	11/21/22 12:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/22/22 15:45	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-7, 3'

Lab Sample ID: 880-21516-14

Date Collected: 11/10/22 11:35

Matrix: Solid

Date Received: 11/14/22 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 17:18	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/19/22 20:51	SMC	EET MID

Client Sample ID: S-7, 5'

Lab Sample ID: 880-21516-15

Date Collected: 11/10/22 11:40

Matrix: Solid

Date Received: 11/14/22 11:01

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	40066	11/21/22 09:38	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40035	11/21/22 12:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/22/22 15:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 17:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/20/22 09:57	SMC	EET MID

Client Sample ID: S-8, 1'

Lab Sample ID: 880-21516-16

Date Collected: 11/10/22 11:45

Matrix: Solid

Date Received: 11/14/22 11:01

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	40066	11/21/22 09:38	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40035	11/21/22 12:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/22/22 15:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 18:01	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		10			40001	11/20/22 10:03	SMC	EET MID

Client Sample ID: S-8, 3'

Lab Sample ID: 880-21516-17

Date Collected: 11/10/22 11:50

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	40066	11/21/22 09:38	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40035	11/21/22 13:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/22/22 15:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 18:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-8, 3'

Lab Sample ID: 880-21516-17

Date Collected: 11/10/22 11:50

Matrix: Solid

Date Received: 11/14/22 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			499 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/20/22 10:09	SMC	EET MID

Client Sample ID: S-8, 5'

Lab Sample ID: 880-21516-18

Date Collected: 11/10/22 11:55

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	40066	11/21/22 09:38	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40035	11/21/22 13:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/22/22 15:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 18:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/20/22 10:14	SMC	EET MID

Client Sample ID: S-9, 1'

Lab Sample ID: 880-21516-19

Date Collected: 11/10/22 12:00

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	40066	11/21/22 09:38	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40035	11/21/22 13:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/22/22 15:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 19:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		5			40001	11/20/22 10:31	SMC	EET MID

Client Sample ID: S-9, 3'

Lab Sample ID: 880-21516-20

Date Collected: 11/10/22 12:05

Matrix: Solid

Date Received: 11/14/22 11:01

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	40066	11/21/22 09:38	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40035	11/21/22 14:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/22/22 15:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39675	11/16/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39762	11/17/22 19:27	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		5			40001	11/20/22 13:53	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-9, 4.5'

Lab Sample ID: 880-21516-21

Date Collected: 11/10/22 12:10

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39778	11/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/19/22 07:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 11:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		10			40001	11/20/22 10:43	SMC	EET MID

Client Sample ID: S-10, 1'

Lab Sample ID: 880-21516-22

Date Collected: 11/10/22 12:15

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39778	11/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/19/22 08:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 12:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		5			40001	11/20/22 10:48	SMC	EET MID

Client Sample ID: S-10, 3'

Lab Sample ID: 880-21516-23

Date Collected: 11/10/22 12:20

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39778	11/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/19/22 08:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 12:38	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/20/22 10:54	SMC	EET MID

Client Sample ID: S-10, 4.5'

Lab Sample ID: 880-21516-24

Date Collected: 11/10/22 12:25

Matrix: Solid

Date Received: 11/14/22 11:01

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	39778	11/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/19/22 08:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-10, 4.5'

Lab Sample ID: 880-21516-24

Date Collected: 11/10/22 12:25

Matrix: Solid

Date Received: 11/14/22 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 13:00	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/20/22 11:00	SMC	EET MID

Client Sample ID: S-11, 1'

Lab Sample ID: 880-21516-25

Date Collected: 11/10/22 12:30

Matrix: Solid

Date Received: 11/14/22 11:01

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	39778	11/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/19/22 09:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 13:22	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		5			40001	11/20/22 11:17	SMC	EET MID

Client Sample ID: S-11, 3'

Lab Sample ID: 880-21516-26

Date Collected: 11/10/22 12:35

Matrix: Solid

Date Received: 11/14/22 11:01

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	39778	11/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/19/22 09:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 13:43	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/20/22 11:22	SMC	EET MID

Client Sample ID: S-11, 4.5'

Lab Sample ID: 880-21516-27

Date Collected: 11/10/22 12:40

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39778	11/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/19/22 09:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 14:05	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-11, 4.5'

Lab Sample ID: 880-21516-27

Date Collected: 11/10/22 12:40

Matrix: Solid

Date Received: 11/14/22 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/20/22 11:39	SMC	EET MID

Client Sample ID: S-12, 1'

Lab Sample ID: 880-21516-28

Date Collected: 11/11/22 09:56

Matrix: Solid

Date Received: 11/14/22 11:01

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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/19/22 22:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 14:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/20/22 11:45	SMC	EET MID

Client Sample ID: S-12, 3'

Lab Sample ID: 880-21516-29

Date Collected: 11/11/22 09:57

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/19/22 22:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 14:49	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/20/22 11:51	SMC	EET MID

Client Sample ID: S-12, 5'

Lab Sample ID: 880-21516-30

Date Collected: 11/11/22 09:58

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/19/22 22:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 15:11	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/20/22 11:56	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-13, 1'

Lab Sample ID: 880-21516-31

Date Collected: 11/11/22 10:05

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/19/22 23:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 16:13	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		5			40001	11/20/22 12:02	SMC	EET MID

Client Sample ID: S-13, 3'

Lab Sample ID: 880-21516-32

Date Collected: 11/11/22 10:06

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/19/22 23:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 16:34	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/20/22 12:08	SMC	EET MID

Client Sample ID: S-13, 5'

Lab Sample ID: 880-21516-33

Date Collected: 11/11/22 10:07

Matrix: Solid

Date Received: 11/14/22 11:01

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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 00:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 16:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39703	11/16/22 10:38	KS	EET MID
Soluble	Analysis	300.0		1			40001	11/20/22 12:13	SMC	EET MID

Client Sample ID: S-14, 1'

Lab Sample ID: 880-21516-34

Date Collected: 11/11/22 10:11

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 00:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-14, 1'

Lab Sample ID: 880-21516-34

Date Collected: 11/11/22 10:11

Matrix: Solid

Date Received: 11/14/22 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 17:18	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		5			39999	11/19/22 18:17	CH	EET MID

Client Sample ID: S-14, 3'

Lab Sample ID: 880-21516-35

Date Collected: 11/11/22 10:12

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 00:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 17:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 18:39	CH	EET MID

Client Sample ID: S-14, 5'

Lab Sample ID: 880-21516-36

Date Collected: 11/11/22 10:13

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 01:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 18:01	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 18:46	CH	EET MID

Client Sample ID: S-15, 1'

Lab Sample ID: 880-21516-37

Date Collected: 11/11/22 10:18

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 01:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 18:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-15, 1'

Lab Sample ID: 880-21516-37

Date Collected: 11/11/22 10:18

Matrix: Solid

Date Received: 11/14/22 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			499 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		5			39999	11/19/22 18:53	CH	EET MID

Client Sample ID: S-15, 3'

Lab Sample ID: 880-21516-38

Date Collected: 11/11/22 10:19

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 03:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 18:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 19:00	CH	EET MID

Client Sample ID: S-15, 5'

Lab Sample ID: 880-21516-39

Date Collected: 11/11/22 10:20

Matrix: Solid

Date Received: 11/14/22 11:01

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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 03:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 19:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 19:21	CH	EET MID

Client Sample ID: S-16, 1'

Lab Sample ID: 880-21516-40

Date Collected: 11/11/22 10:24

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 03:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/18/22 10:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39676	11/16/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39764	11/17/22 19:27	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		5			39999	11/19/22 19:29	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-16, 3'

Lab Sample ID: 880-21516-41

Date Collected: 11/11/22 10:25

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 04:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/21/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39724	11/16/22 11:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39981	11/20/22 14:15	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 19:36	CH	EET MID

Client Sample ID: S-16, 5'

Lab Sample ID: 880-21516-42

Date Collected: 11/11/22 10:26

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 04:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/21/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39724	11/16/22 11:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39981	11/20/22 14:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 19:43	CH	EET MID

Client Sample ID: S-17, 1'

Lab Sample ID: 880-21516-43

Date Collected: 11/11/22 10:30

Matrix: Solid

Date Received: 11/14/22 11:01

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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 04:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/21/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39724	11/16/22 11:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39981	11/20/22 15:17	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 19:50	CH	EET MID

Client Sample ID: S-17, 3'

Lab Sample ID: 880-21516-44

Date Collected: 11/11/22 10:31

Matrix: Solid

Date Received: 11/14/22 11:01

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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 05:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-17, 3'

Lab Sample ID: 880-21516-44

Date Collected: 11/11/22 10:31

Matrix: Solid

Date Received: 11/14/22 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39904	11/21/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39724	11/16/22 11:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39981	11/20/22 15:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 19:57	CH	EET MID

Client Sample ID: S-17, 5'

Lab Sample ID: 880-21516-45

Date Collected: 11/11/22 10:32

Matrix: Solid

Date Received: 11/14/22 11:01

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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 05:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/21/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39724	11/16/22 11:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39981	11/20/22 16:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 20:19	CH	EET MID

Client Sample ID: S-21, 1'

Lab Sample ID: 880-21516-46

Date Collected: 11/11/22 10:36

Matrix: Solid

Date Received: 11/14/22 11:01

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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 05:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/21/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39724	11/16/22 11:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39981	11/20/22 16:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 20:26	CH	EET MID

Client Sample ID: S-21, 3'

Lab Sample ID: 880-21516-47

Date Collected: 11/11/22 10:37

Matrix: Solid

Date Received: 11/14/22 11:01

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	39847	11/17/22 15:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39916	11/20/22 06:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/21/22 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/21/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39724	11/16/22 11:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39981	11/20/22 16:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Client Sample ID: S-21, 3'

Lab Sample ID: 880-21516-47

Date Collected: 11/11/22 10:37

Matrix: Solid

Date Received: 11/14/22 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 20:47	CH	EET MID

Client Sample ID: S-21, 5'

Lab Sample ID: 880-21516-48

Date Collected: 11/11/22 10:38

Matrix: Solid

Date Received: 11/14/22 11:01

Prep 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	39849	11/17/22 15:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40172	11/22/22 15:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/23/22 14:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/21/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39724	11/16/22 11:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39981	11/20/22 17:20	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 20:54	CH	EET MID

Client Sample ID: S-22, 0-1'

Lab Sample ID: 880-21516-49

Date Collected: 11/11/22 10:43

Matrix: Solid

Date Received: 11/14/22 11:01

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	39849	11/17/22 15:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40172	11/22/22 16:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40124	11/23/22 14:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			39904	11/21/22 09:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39724	11/16/22 11:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39981	11/20/22 17:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39704	11/16/22 10:40	KS	EET MID
Soluble	Analysis	300.0		1			39999	11/19/22 21:01	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-21516-1
SDG: 22-0105-13

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-21516-1	S-1, 1'	Solid	11/10/22 10:30	11/14/22 11:01
880-21516-2	S-1, 3'	Solid	11/10/22 10:35	11/14/22 11:01
880-21516-3	S-1, 5'	Solid	11/10/22 10:40	11/14/22 11:01
880-21516-4	S-2, 1'	Solid	11/10/22 10:45	11/14/22 11:01
880-21516-5	S-2, 3'	Solid	11/10/22 10:50	11/14/22 11:01
880-21516-6	S-2, 5'	Solid	11/10/22 10:55	11/14/22 11:01
880-21516-7	S-5, 1'	Solid	11/10/22 11:00	11/14/22 11:01
880-21516-8	S-5, 3'	Solid	11/10/22 11:05	11/14/22 11:01
880-21516-9	S-5, 5'	Solid	11/10/22 11:10	11/14/22 11:01
880-21516-10	S-6, 1'	Solid	11/10/22 11:15	11/14/22 11:01
880-21516-11	S-6, 3'	Solid	11/10/22 11:20	11/14/22 11:01
880-21516-12	S-6, 5'	Solid	11/10/22 11:25	11/14/22 11:01
880-21516-13	S-7, 1'	Solid	11/10/22 11:30	11/14/22 11:01
880-21516-14	S-7, 3'	Solid	11/10/22 11:35	11/14/22 11:01
880-21516-15	S-7, 5'	Solid	11/10/22 11:40	11/14/22 11:01
880-21516-16	S-8, 1'	Solid	11/10/22 11:45	11/14/22 11:01
880-21516-17	S-8, 3'	Solid	11/10/22 11:50	11/14/22 11:01
880-21516-18	S-8, 5'	Solid	11/10/22 11:55	11/14/22 11:01
880-21516-19	S-9, 1'	Solid	11/10/22 12:00	11/14/22 11:01
880-21516-20	S-9, 3'	Solid	11/10/22 12:05	11/14/22 11:01
880-21516-21	S-9, 4.5'	Solid	11/10/22 12:10	11/14/22 11:01
880-21516-22	S-10, 1'	Solid	11/10/22 12:15	11/14/22 11:01
880-21516-23	S-10, 3'	Solid	11/10/22 12:20	11/14/22 11:01
880-21516-24	S-10, 4.5'	Solid	11/10/22 12:25	11/14/22 11:01
880-21516-25	S-11, 1'	Solid	11/10/22 12:30	11/14/22 11:01
880-21516-26	S-11, 3'	Solid	11/10/22 12:35	11/14/22 11:01
880-21516-27	S-11, 4.5'	Solid	11/10/22 12:40	11/14/22 11:01
880-21516-28	S-12, 1'	Solid	11/11/22 09:56	11/14/22 11:01
880-21516-29	S-12, 3'	Solid	11/11/22 09:57	11/14/22 11:01
880-21516-30	S-12, 5'	Solid	11/11/22 09:58	11/14/22 11:01
880-21516-31	S-13, 1'	Solid	11/11/22 10:05	11/14/22 11:01
880-21516-32	S-13, 3'	Solid	11/11/22 10:06	11/14/22 11:01
880-21516-33	S-13, 5'	Solid	11/11/22 10:07	11/14/22 11:01
880-21516-34	S-14, 1'	Solid	11/11/22 10:11	11/14/22 11:01
880-21516-35	S-14, 3'	Solid	11/11/22 10:12	11/14/22 11:01
880-21516-36	S-14, 5'	Solid	11/11/22 10:13	11/14/22 11:01
880-21516-37	S-15, 1'	Solid	11/11/22 10:18	11/14/22 11:01
880-21516-38	S-15, 3'	Solid	11/11/22 10:19	11/14/22 11:01
880-21516-39	S-15, 5'	Solid	11/11/22 10:20	11/14/22 11:01
880-21516-40	S-16, 1'	Solid	11/11/22 10:24	11/14/22 11:01
880-21516-41	S-16, 3'	Solid	11/11/22 10:25	11/14/22 11:01
880-21516-42	S-16, 5'	Solid	11/11/22 10:26	11/14/22 11:01
880-21516-43	S-17, 1'	Solid	11/11/22 10:30	11/14/22 11:01
880-21516-44	S-17, 3'	Solid	11/11/22 10:31	11/14/22 11:01
880-21516-45	S-17, 5'	Solid	11/11/22 10:32	11/14/22 11:01
880-21516-46	S-21, 1'	Solid	11/11/22 10:36	11/14/22 11:01
880-21516-47	S-21, 3'	Solid	11/11/22 10:37	11/14/22 11:01
880-21516-48	S-21, 5'	Solid	11/11/22 10:38	11/14/22 11:01
880-21516-49	S-22, 0-1'	Solid	11/11/22 10:43	11/14/22 11:01

11/23/2022

CHAIN-OF-CUSTODY

Marson & Associates, Inc.
Environmental Consultants

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

Data Reported to

DATE 11/14/2021 PAGE 4 OF 4
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME: SD P415
LAI PROJECT # AK-0105-13 COLLECTOR AN & OH

21516 No. 2854
CHAIN-OF-CUSTODY

TRRP report?
☐ Yes ☒ No

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

TIME ZONE
Time zone/State

MST/MW

Field
Sample ID

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃

H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

PRESERVATION

ANALYSES

BTEX MIBE ☐

TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐

GASOLINE MOD 8015 ☐

DIESEL - MOD 8015 ☐

OIL - MOD 8015 ☐

VOC 8260 ☐

SVOC 8270 ☐

8081 PESTICIDES ☐

8082 PESTICIDES ☐

TCLP - METALS (RCRA) ☐

TCLP - PEST ☐

TOTAL METALS (RCRA) ☐

LEAD - TOTAL ☐

ROI ☐

TOX ☐

TSS ☐

% MOISTURE ☐

FLASHPOINT ☐

DW 200 8 ☐

TCLP ☐

OTHER LIST ☐

CYANIDE ☐

HEXAVALENT CHROMIUM ☐

PECHLORATE ☐

ALKALINITY ☐

EXPLOSIVES ☐

CHLORIDES ☐

ANIONS ☐

FIELD NOTES

S-21, 1'
S-21, 3'
S-21, 5'
S-22, 0-1'

11/11/21 1024 5 1

1037 1 1

1035 1 1

1042 1 1

1042 1 1

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TOTAL

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

LABORATORY

TURN AROUND TIME

NORMAL ☒

1 DAY ☐

2 DAY ☐

OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP _____

THERM# _____

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

CARRIER BILL # _____

HAND DELIVERED ☐

Loc: 880
21516

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-21516-1

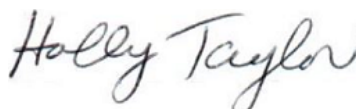
SDG Number: 22-0105-13

Login Number: 21516**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

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

Eurofins Midland**Job Notes**

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

Authorization

Generated
11/23/2022 3:27:59 PM

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/11/2023 11:49:50 AM

JOB DESCRIPTION

SD P415
SDG NUMBER 22-0105-13

JOB NUMBER

880-27940-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

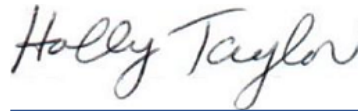
Eurofins Midland

Job Notes

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

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

Authorization



Generated
5/11/2023 11:49:50 AM

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

Client: Larson & Associates, Inc.
Project/Site: SD P415

Laboratory Job ID: 880-27940-1
SDG: 22-0105-13

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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.
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

Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Job ID: 880-27940-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-27940-1

Receipt

The samples were received on 5/4/2023 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -9.9°C

GC VOA

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-52630 and analytical batch 880-52672 recovered outside control limits for the following analytes: Benzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-52692 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-52692/2), (CCV 880-52692/20) and (CCV 880-52692/64).

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-52621 and 880-52673 and analytical batch 880-52692 recovered outside control limits for the following analytes: Benzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-52692 recovered above the upper control limit for Benzene, m,p-Xylenes and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-56 (880-27940-56). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-52619 and analytical batch 880-52672 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-1 (880-27940-1), CS-5 (880-27940-5), (880-27940-A-1-A MS) and (880-27940-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-52693 recovered above the upper control limit for Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-52693 recovered above the upper control limit for Toluene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-52620 and analytical batch 880-52693 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-21 (880-27940-21), CS-22 (880-27940-22), CS-23 (880-27940-23), CS-24 (880-27940-24), CS-25 (880-27940-25), CS-26 (880-27940-26), CS-27 (880-27940-27), CS-28 (880-27940-28), CS-29 (880-27940-29), CS-30 (880-27940-30), CS-31 (880-27940-31), CS-32 (880-27940-32), CS-33 (880-27940-33), CS-34 (880-27940-34), CS-35 (880-27940-35), CS-36 (880-27940-36), CS-37 (880-27940-37), CS-38 (880-27940-38), CS-39 (880-27940-39), CS-40 (880-27940-40), (CCV 880-52693/113), (CCV 880-52693/64), (CCV 880-52693/82), (CCV 880-52693/95), (LCS 880-52620/1-A), (LCSD 880-52620/2-A), (MB 880-52620/5-A), (880-27940-A-21-A MS) and (880-27940-A-21-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
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Job ID: 880-27940-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-52719 and analytical batch 880-52784 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52719 and analytical batch 880-52784 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-52749 and analytical batch 880-52782 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-52749/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-45 (880-27940-45). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-52749 and analytical batch 880-52782 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-52720 and analytical batch 880-52786 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-52720/2-A) and (LCSD 880-52720/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53015 and analytical batch 880-52997 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-52800 and analytical batch 880-52999 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-61 (880-27940-61). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-62 (880-27940-62) and CS-63 (880-27940-63). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-65 (880-27940-65). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-68 (880-27940-68) and CS-69 (880-27940-69). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-72 (880-27940-72), CS-75 (880-27940-75), CS-76 (880-27940-76), CS-77 (880-27940-77), CS-78 (880-27940-78), CS-79 (880-27940-79) and CS-80 (880-27940-80). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-73 (880-27940-73). Evidence of matrix

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Job ID: 880-27940-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-52800 and analytical batch 880-52999 was outside control limits. Sample non-homogeneity is suspected.

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

HPLC/IC

Method 300_ORGFM_28D: The method blank associated with preparation batch 880-52848 and 880-52848 and analytical batch 880-53032 contained Chloride greater than one-half the reporting limit (RL). The samples were not re-analyzed because all samples were greater than 10 times the detection of the Method Blank (MB). The sample results have been qualified and reported. CS-81 (880-27940-81), CS-82 (880-27940-82), CS-83 (880-27940-83) and (MB 880-52848/1-A)

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52845 and analytical batch 880-53035 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: CS-21 (880-27940-21), CS-22 (880-27940-22), CS-23 (880-27940-23), CS-24 (880-27940-24), CS-25 (880-27940-25), CS-26 (880-27940-26), CS-27 (880-27940-27), CS-28 (880-27940-28), CS-29 (880-27940-29), CS-30 (880-27940-30), (880-27940-A-21-H MS) and (880-27940-A-21-I MSD).

Method 300_ORGFM_28D: The matrix spike (MS) recoveries for preparation batch 880-52845 and 880-52845 and analytical batch 880-53035 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated samples are: CS-31 (880-27940-31), CS-32 (880-27940-32), CS-33 (880-27940-33), CS-34 (880-27940-34), CS-35 (880-27940-35), CS-36 (880-27940-36), CS-37 (880-27940-37), CS-38 (880-27940-38), CS-39 (880-27940-39), CS-40 (880-27940-40) and (880-27940-A-31-D MS).

Method 300_ORGFM_28D: The laboratory control sample (LCS) associated with preparation batch 880-52846, 880-52846, 880-52846, 880-52846 and 880-52846 and analytical batch 880-53039 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 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52847 and analytical batch 880-53040 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: CS-71 (880-27940-71), CS-72 (880-27940-72), CS-73 (880-27940-73), CS-74 (880-27940-74), CS-75 (880-27940-75), CS-76 (880-27940-76), CS-77 (880-27940-77), CS-78 (880-27940-78), CS-79 (880-27940-79), CS-80 (880-27940-80), (880-27940-A-71-D MS) and (880-27940-A-71-E MSD).

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52844 and analytical batch 880-53029 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: CS-1 (880-27940-1), CS-2 (880-27940-2), CS-3 (880-27940-3), CS-4 (880-27940-4), CS-5 (880-27940-5), CS-6 (880-27940-6), CS-7 (880-27940-7), CS-8 (880-27940-8), CS-9 (880-27940-9), CS-10 (880-27940-10), (880-27940-A-1-H MS) and (880-27940-A-1-I MSD).

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-1

Lab Sample ID: 880-27940-1

Date Collected: 05/01/23 17:00

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201	mg/Kg		05/04/23 13:45	05/06/23 19:29	1
Toluene	0.0511	F1	0.00201	mg/Kg		05/04/23 13:45	05/06/23 19:29	1
Ethylbenzene	0.0631	F1	0.00201	mg/Kg		05/04/23 13:45	05/06/23 19:29	1
m,p-Xylenes	0.381	F1	0.00402	mg/Kg		05/04/23 13:45	05/06/23 19:29	1
o-Xylene	0.123	F1	0.00201	mg/Kg		05/04/23 13:45	05/06/23 19:29	1
Xylenes, Total	0.504	F1	0.00402	mg/Kg		05/04/23 13:45	05/06/23 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	168	S1+	70 - 130	05/04/23 13:45	05/06/23 19:29	1
1,4-Difluorobenzene (Surr)	103		70 - 130	05/04/23 13:45	05/06/23 19:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.618		0.00402	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	821		49.9	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	66.4		49.9	mg/Kg		05/05/23 14:36	05/07/23 12:26	1
Diesel Range Organics (Over C10-C28)	674	F1	49.9	mg/Kg		05/05/23 14:36	05/07/23 12:26	1
Oil Range Organics (Over C28-C36)	80.4		49.9	mg/Kg		05/05/23 14:36	05/07/23 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	05/05/23 14:36	05/07/23 12:26	1
o-Terphenyl (Surr)	99		70 - 130	05/05/23 14:36	05/07/23 12:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3140	F1	24.8	mg/Kg			05/10/23 15:16	5

Client Sample ID: CS-2

Lab Sample ID: 880-27940-2

Date Collected: 05/01/23 17:02

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 19:49	1
Toluene	0.0176		0.00199	mg/Kg		05/04/23 13:45	05/06/23 19:49	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 19:49	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/06/23 19:49	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 19:49	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/06/23 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/04/23 13:45	05/06/23 19:49	1
1,4-Difluorobenzene (Surr)	71		70 - 130	05/04/23 13:45	05/06/23 19:49	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-2

Lab Sample ID: 880-27940-2

Date Collected: 05/01/23 17:02

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0176		0.00398	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 13:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 13:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 13:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			05/05/23 14:36	05/07/23 13:33	1
o-Terphenyl (Surr)	104		70 - 130			05/05/23 14:36	05/07/23 13:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2140		25.0	mg/Kg			05/10/23 15:32	5

Client Sample ID: CS-3

Lab Sample ID: 880-27940-3

Date Collected: 05/01/23 17:04

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 20:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 20:10	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 20:10	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/06/23 20:10	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 20:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/06/23 20:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			05/04/23 13:45	05/06/23 20:10	1
1,4-Difluorobenzene (Surr)	77		70 - 130			05/04/23 13:45	05/06/23 20:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 13:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 13:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-3

Lab Sample ID: 880-27940-3

Date Collected: 05/01/23 17:04

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 13:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			05/05/23 14:36	05/07/23 13:55	1
o-Terphenyl (Surr)	97		70 - 130			05/05/23 14:36	05/07/23 13:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2360		25.1	mg/Kg			05/10/23 15:37	5

Client Sample ID: CS-4

Lab Sample ID: 880-27940-4

Date Collected: 05/01/23 17:06

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 20:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 20:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 20:30	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:45	05/06/23 20:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 20:30	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:45	05/06/23 20:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			05/04/23 13:45	05/06/23 20:30	1
1,4-Difluorobenzene (Surr)	73		70 - 130			05/04/23 13:45	05/06/23 20:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/05/23 14:36	05/07/23 14:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/05/23 14:36	05/07/23 14:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 14:36	05/07/23 14:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			05/05/23 14:36	05/07/23 14:18	1
o-Terphenyl (Surr)	108		70 - 130			05/05/23 14:36	05/07/23 14:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		5.03	mg/Kg			05/10/23 15:42	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-5

Lab Sample ID: 880-27940-5

Date Collected: 05/01/23 17:08

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/06/23 20:51	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/06/23 20:51	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/06/23 20:51	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:45	05/06/23 20:51	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/06/23 20:51	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:45	05/06/23 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	05/04/23 13:45	05/06/23 20:51	1
1,4-Difluorobenzene (Surr)	57	S1-	70 - 130	05/04/23 13:45	05/06/23 20:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 14:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 14:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	05/05/23 14:36	05/07/23 14:41	1
o-Terphenyl (Surr)	115		70 - 130	05/05/23 14:36	05/07/23 14:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	443		4.98	mg/Kg			05/10/23 15:47	1

Client Sample ID: CS-6

Lab Sample ID: 880-27940-6

Date Collected: 05/01/23 17:10

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 21:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 21:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 21:11	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/04/23 13:45	05/06/23 21:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 21:11	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/04/23 13:45	05/06/23 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/04/23 13:45	05/06/23 21:11	1
1,4-Difluorobenzene (Surr)	80		70 - 130	05/04/23 13:45	05/06/23 21:11	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-6

Lab Sample ID: 880-27940-6

Date Collected: 05/01/23 17:10

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 15:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 15:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 15:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			05/05/23 14:36	05/07/23 15:03	1
o-Terphenyl (Surr)	111		70 - 130			05/05/23 14:36	05/07/23 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1180		4.99	mg/Kg			05/10/23 16:03	1

Client Sample ID: CS-7

Lab Sample ID: 880-27940-7

Date Collected: 05/01/23 17:12

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 21:32	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 21:32	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 21:32	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/06/23 21:32	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 21:32	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/06/23 21:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			05/04/23 13:45	05/06/23 21:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130			05/04/23 13:45	05/06/23 21:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 15:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 15:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-7

Lab Sample ID: 880-27940-7

Date Collected: 05/01/23 17:12

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 15:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			05/05/23 14:36	05/07/23 15:25	1
o-Terphenyl (Surr)	93		70 - 130			05/05/23 14:36	05/07/23 15:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		4.99	mg/Kg			05/10/23 16:08	1

Client Sample ID: CS-8

Lab Sample ID: 880-27940-8

Date Collected: 05/01/23 17:14

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 21:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 21:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 21:52	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/06/23 21:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/06/23 21:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/06/23 21:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			05/04/23 13:45	05/06/23 21:52	1
1,4-Difluorobenzene (Surr)	89		70 - 130			05/04/23 13:45	05/06/23 21:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/05/23 14:36	05/07/23 15:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/05/23 14:36	05/07/23 15:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 14:36	05/07/23 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			05/05/23 14:36	05/07/23 15:47	1
o-Terphenyl (Surr)	103		70 - 130			05/05/23 14:36	05/07/23 15:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	588		5.00	mg/Kg			05/10/23 16:14	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-9

Lab Sample ID: 880-27940-9

Date Collected: 05/01/23 17:16

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 22:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 22:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 22:13	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:45	05/06/23 22:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 22:13	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:45	05/06/23 22:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	05/04/23 13:45	05/06/23 22:13	1
1,4-Difluorobenzene (Surr)	74		70 - 130	05/04/23 13:45	05/06/23 22:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 16:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 16:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	05/05/23 14:36	05/07/23 16:10	1
o-Terphenyl (Surr)	94		70 - 130	05/05/23 14:36	05/07/23 16:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	570		5.01	mg/Kg			05/10/23 16:19	1

Client Sample ID: CS-10

Lab Sample ID: 880-27940-10

Date Collected: 05/01/23 17:18

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/06/23 22:33	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/06/23 22:33	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/06/23 22:33	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:45	05/06/23 22:33	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/06/23 22:33	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:45	05/06/23 22:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/04/23 13:45	05/06/23 22:33	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/04/23 13:45	05/06/23 22:33	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-10

Lab Sample ID: 880-27940-10

Date Collected: 05/01/23 17:18

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/05/23 14:36	05/07/23 16:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/05/23 14:36	05/07/23 16:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 14:36	05/07/23 16:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			05/05/23 14:36	05/07/23 16:32	1
o-Terphenyl (Surr)	93		70 - 130			05/05/23 14:36	05/07/23 16:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	934		5.04	mg/Kg			05/10/23 16:24	1

Client Sample ID: CS-11

Lab Sample ID: 880-27940-11

Date Collected: 05/01/23 17:20

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 23:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 23:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 23:56	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/04/23 13:45	05/06/23 23:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 23:56	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/04/23 13:45	05/06/23 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			05/04/23 13:45	05/06/23 23:56	1
1,4-Difluorobenzene (Surr)	96		70 - 130			05/04/23 13:45	05/06/23 23:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 17:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 17:17	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-11

Lab Sample ID: 880-27940-11

Date Collected: 05/01/23 17:20

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 17:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			05/05/23 14:36	05/07/23 17:17	1
o-Terphenyl (Surr)	95		70 - 130			05/05/23 14:36	05/07/23 17:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	342		4.98	mg/Kg			05/10/23 16:29	1

Client Sample ID: CS-12

Lab Sample ID: 880-27940-12

Date Collected: 05/01/23 17:22

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 00:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 00:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 00:16	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/07/23 00:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 00:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/07/23 00:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			05/04/23 13:45	05/07/23 00:16	1
1,4-Difluorobenzene (Surr)	71		70 - 130			05/04/23 13:45	05/07/23 00:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 17:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 17:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 17:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			05/05/23 14:36	05/07/23 17:39	1
o-Terphenyl (Surr)	96		70 - 130			05/05/23 14:36	05/07/23 17:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	336		5.02	mg/Kg			05/10/23 16:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-13

Lab Sample ID: 880-27940-13

Date Collected: 05/01/23 17:24

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 00:37	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 00:37	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 00:37	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/07/23 00:37	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 00:37	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/07/23 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/04/23 13:45	05/07/23 00:37	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/04/23 13:45	05/07/23 00:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 18:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 18:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	05/05/23 14:36	05/07/23 18:02	1
o-Terphenyl (Surr)	105		70 - 130	05/05/23 14:36	05/07/23 18:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	941		4.95	mg/Kg			05/10/23 16:50	1

Client Sample ID: CS-14

Lab Sample ID: 880-27940-14

Date Collected: 05/01/23 17:26

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/07/23 00:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/07/23 00:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/07/23 00:57	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:45	05/07/23 00:57	1
o-Xylene	0.00666		0.00200	mg/Kg		05/04/23 13:45	05/07/23 00:57	1
Xylenes, Total	0.00666		0.00399	mg/Kg		05/04/23 13:45	05/07/23 00:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/04/23 13:45	05/07/23 00:57	1
1,4-Difluorobenzene (Surr)	72		70 - 130	05/04/23 13:45	05/07/23 00:57	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-14

Lab Sample ID: 880-27940-14

Date Collected: 05/01/23 17:26

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00666		0.00399	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 18:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 18:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 18:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			05/05/23 14:36	05/07/23 18:24	1
o-Terphenyl (Surr)	95		70 - 130			05/05/23 14:36	05/07/23 18:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1490		24.8	mg/Kg			05/10/23 17:49	5

Client Sample ID: CS-15

Lab Sample ID: 880-27940-15

Date Collected: 05/02/23 13:20

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/07/23 01:18	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/07/23 01:18	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/07/23 01:18	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:45	05/07/23 01:18	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/07/23 01:18	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:45	05/07/23 01:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			05/04/23 13:45	05/07/23 01:18	1
1,4-Difluorobenzene (Surr)	85		70 - 130			05/04/23 13:45	05/07/23 01:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 18:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 18:47	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-15

Lab Sample ID: 880-27940-15

Date Collected: 05/02/23 13:20

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 18:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			05/05/23 14:36	05/07/23 18:47	1
o-Terphenyl (Surr)	95		70 - 130			05/05/23 14:36	05/07/23 18:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.1		5.00	mg/Kg			05/10/23 17:54	1

Client Sample ID: CS-16

Lab Sample ID: 880-27940-16

Date Collected: 05/02/23 13:22

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/07/23 01:38	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/07/23 01:38	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/07/23 01:38	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:45	05/07/23 01:38	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/07/23 01:38	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:45	05/07/23 01:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			05/04/23 13:45	05/07/23 01:38	1
1,4-Difluorobenzene (Surr)	75		70 - 130			05/04/23 13:45	05/07/23 01:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/05/23 14:36	05/07/23 19:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/05/23 14:36	05/07/23 19:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 14:36	05/07/23 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			05/05/23 14:36	05/07/23 19:09	1
o-Terphenyl (Surr)	107		70 - 130			05/05/23 14:36	05/07/23 19:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	408		5.04	mg/Kg			05/10/23 17:16	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-17

Lab Sample ID: 880-27940-17

Date Collected: 05/02/23 13:24

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 01:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 01:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 01:59	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/07/23 01:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 01:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/07/23 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/04/23 13:45	05/07/23 01:59	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	05/04/23 13:45	05/07/23 01:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 19:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 19:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	05/05/23 14:36	05/07/23 19:32	1
o-Terphenyl (Surr)	103		70 - 130	05/05/23 14:36	05/07/23 19:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	627		5.05	mg/Kg			05/10/23 17:22	1

Client Sample ID: CS-18

Lab Sample ID: 880-27940-18

Date Collected: 05/02/23 13:26

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 02:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 02:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 02:19	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/07/23 02:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:45	05/07/23 02:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:45	05/07/23 02:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	05/04/23 13:45	05/07/23 02:19	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/04/23 13:45	05/07/23 02:19	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-18

Lab Sample ID: 880-27940-18

Date Collected: 05/02/23 13:26

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 19:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 19:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:36	05/07/23 19:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			05/05/23 14:36	05/07/23 19:55	1
o-Terphenyl (Surr)	107		70 - 130			05/05/23 14:36	05/07/23 19:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1230		4.99	mg/Kg			05/10/23 17:27	1

Client Sample ID: CS-19

Lab Sample ID: 880-27940-19

Date Collected: 05/02/23 13:28

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/07/23 02:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/07/23 02:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/07/23 02:40	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:45	05/07/23 02:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/07/23 02:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:45	05/07/23 02:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			05/04/23 13:45	05/07/23 02:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130			05/04/23 13:45	05/07/23 02:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 20:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 20:17	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-19

Lab Sample ID: 880-27940-19

Date Collected: 05/02/23 13:28

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 20:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			05/05/23 14:36	05/07/23 20:17	1
o-Terphenyl (Surr)	93		70 - 130			05/05/23 14:36	05/07/23 20:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	906		4.97	mg/Kg			05/10/23 17:32	1

Client Sample ID: CS-20

Lab Sample ID: 880-27940-20

Date Collected: 05/02/23 13:30

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/07/23 03:00	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/07/23 03:00	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/07/23 03:00	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:45	05/07/23 03:00	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:45	05/07/23 03:00	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:45	05/07/23 03:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			05/04/23 13:45	05/07/23 03:00	1
1,4-Difluorobenzene (Surr)	73		70 - 130			05/04/23 13:45	05/07/23 03:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 10:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 20:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 20:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 20:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			05/05/23 14:36	05/07/23 20:40	1
o-Terphenyl (Surr)	90		70 - 130			05/05/23 14:36	05/07/23 20:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		4.96	mg/Kg			05/10/23 17:37	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-21

Lab Sample ID: 880-27940-21

Date Collected: 05/02/23 13:32

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 09:06	1
Toluene	<0.00201	U F1	0.00201	mg/Kg		05/04/23 13:47	05/07/23 09:06	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 09:06	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:47	05/07/23 09:06	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 09:06	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:47	05/07/23 09:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130	05/04/23 13:47	05/07/23 09:06	1
1,4-Difluorobenzene (Surr)	72		70 - 130	05/04/23 13:47	05/07/23 09:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 12:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 12:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	05/05/23 14:38	05/07/23 12:26	1
o-Terphenyl (Surr)	127		70 - 130	05/05/23 14:38	05/07/23 12:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	904	F1	4.99	mg/Kg			05/10/23 02:23	1

Client Sample ID: CS-22

Lab Sample ID: 880-27940-22

Date Collected: 05/02/23 13:34

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 09:32	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 09:32	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 09:32	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 09:32	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 09:32	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 09:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130	05/04/23 13:47	05/07/23 09:32	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/04/23 13:47	05/07/23 09:32	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-22

Lab Sample ID: 880-27940-22

Date Collected: 05/02/23 13:34

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.2		49.9	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 13:33	1
Diesel Range Organics (Over C10-C28)	52.2		49.9	mg/Kg		05/05/23 14:38	05/07/23 13:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 13:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			05/05/23 14:38	05/07/23 13:33	1
o-Terphenyl (Surr)	126		70 - 130			05/05/23 14:38	05/07/23 13:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1080		5.00	mg/Kg			05/10/23 02:37	1

Client Sample ID: CS-23

Lab Sample ID: 880-27940-23

Date Collected: 05/02/23 13:36

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 09:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 09:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 09:59	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 09:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 09:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 09:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130			05/04/23 13:47	05/07/23 09:59	1
1,4-Difluorobenzene (Surr)	85		70 - 130			05/04/23 13:47	05/07/23 09:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.0		50.0	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 13:55	1
Diesel Range Organics (Over C10-C28)	54.0		50.0	mg/Kg		05/05/23 14:38	05/07/23 13:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-23

Lab Sample ID: 880-27940-23

Date Collected: 05/02/23 13:36

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 13:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			05/05/23 14:38	05/07/23 13:55	1
o-Terphenyl (Surr)	122		70 - 130			05/05/23 14:38	05/07/23 13:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	884		5.00	mg/Kg			05/10/23 02:42	1

Client Sample ID: CS-24

Lab Sample ID: 880-27940-24

Date Collected: 05/02/23 13:38

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 10:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 10:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 10:25	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:47	05/07/23 10:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 10:25	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:47	05/07/23 10:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130			05/04/23 13:47	05/07/23 10:25	1
1,4-Difluorobenzene (Surr)	71		70 - 130			05/04/23 13:47	05/07/23 10:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 14:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 14:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 14:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			05/05/23 14:38	05/07/23 14:18	1
o-Terphenyl (Surr)	129		70 - 130			05/05/23 14:38	05/07/23 14:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1730		25.2	mg/Kg			05/10/23 02:47	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-25

Lab Sample ID: 880-27940-25

Date Collected: 05/02/23 13:40

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 10:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 10:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 10:52	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 10:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 10:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 10:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	164	S1+	70 - 130	05/04/23 13:47	05/07/23 10:52	1
1,4-Difluorobenzene (Surr)	74		70 - 130	05/04/23 13:47	05/07/23 10:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 14:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 14:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	05/05/23 14:38	05/07/23 14:41	1
o-Terphenyl (Surr)	129		70 - 130	05/05/23 14:38	05/07/23 14:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	496		4.97	mg/Kg			05/10/23 02:52	1

Client Sample ID: CS-26

Lab Sample ID: 880-27940-26

Date Collected: 05/02/23 13:42

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 11:18	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 11:18	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 11:18	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 11:18	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 11:18	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 11:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130	05/04/23 13:47	05/07/23 11:18	1
1,4-Difluorobenzene (Surr)	75		70 - 130	05/04/23 13:47	05/07/23 11:18	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-26

Lab Sample ID: 880-27940-26

Date Collected: 05/02/23 13:42

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 15:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 15:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 15:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			05/05/23 14:38	05/07/23 15:03	1
o-Terphenyl (Surr)	122		70 - 130			05/05/23 14:38	05/07/23 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	605		4.96	mg/Kg			05/10/23 03:06	1

Client Sample ID: CS-27

Lab Sample ID: 880-27940-27

Date Collected: 05/02/23 13:44

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 11:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 11:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 11:44	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:47	05/07/23 11:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 11:44	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:47	05/07/23 11:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130			05/04/23 13:47	05/07/23 11:44	1
1,4-Difluorobenzene (Surr)	90		70 - 130			05/04/23 13:47	05/07/23 11:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 15:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 15:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-27

Lab Sample ID: 880-27940-27

Date Collected: 05/02/23 13:44

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 15:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			05/05/23 14:38	05/07/23 15:25	1
o-Terphenyl (Surr)	117		70 - 130			05/05/23 14:38	05/07/23 15:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	788		5.02	mg/Kg			05/10/23 03:11	1

Client Sample ID: CS-28

Lab Sample ID: 880-27940-28

Date Collected: 05/02/23 13:46

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 12:11	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 12:11	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 12:11	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:47	05/07/23 12:11	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 12:11	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:47	05/07/23 12:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130			05/04/23 13:47	05/07/23 12:11	1
1,4-Difluorobenzene (Surr)	74		70 - 130			05/04/23 13:47	05/07/23 12:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 15:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 15:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			05/05/23 14:38	05/07/23 15:47	1
o-Terphenyl (Surr)	126		70 - 130			05/05/23 14:38	05/07/23 15:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1130		5.01	mg/Kg			05/10/23 03:16	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-29

Lab Sample ID: 880-27940-29

Date Collected: 05/02/23 13:48

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 12:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 12:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 12:37	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/04/23 13:47	05/07/23 12:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 12:37	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/04/23 13:47	05/07/23 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130	05/04/23 13:47	05/07/23 12:37	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/04/23 13:47	05/07/23 12:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 16:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 16:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	05/05/23 14:38	05/07/23 16:10	1
o-Terphenyl (Surr)	122		70 - 130	05/05/23 14:38	05/07/23 16:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	682		4.99	mg/Kg			05/10/23 03:21	1

Client Sample ID: CS-30

Lab Sample ID: 880-27940-30

Date Collected: 05/02/23 13:50

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:47	05/07/23 13:03	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:47	05/07/23 13:03	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:47	05/07/23 13:03	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		05/04/23 13:47	05/07/23 13:03	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:47	05/07/23 13:03	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		05/04/23 13:47	05/07/23 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	05/04/23 13:47	05/07/23 13:03	1
1,4-Difluorobenzene (Surr)	75		70 - 130	05/04/23 13:47	05/07/23 13:03	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-30

Lab Sample ID: 880-27940-30

Date Collected: 05/02/23 13:50

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 16:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 16:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 16:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			05/05/23 14:38	05/07/23 16:32	1
o-Terphenyl (Surr)	122		70 - 130			05/05/23 14:38	05/07/23 16:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	551		4.99	mg/Kg			05/10/23 03:25	1

Client Sample ID: CS-31

Lab Sample ID: 880-27940-31

Date Collected: 05/02/23 13:50

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 14:49	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 14:49	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 14:49	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 14:49	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 14:49	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 14:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130			05/04/23 13:47	05/07/23 14:49	1
1,4-Difluorobenzene (Surr)	82		70 - 130			05/04/23 13:47	05/07/23 14:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 17:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 17:17	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-31

Lab Sample ID: 880-27940-31

Date Collected: 05/02/23 13:50

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 17:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			05/05/23 14:38	05/07/23 17:17	1
o-Terphenyl (Surr)	122		70 - 130			05/05/23 14:38	05/07/23 17:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	880	F1	4.99	mg/Kg			05/10/23 03:30	1

Client Sample ID: CS-32

Lab Sample ID: 880-27940-32

Date Collected: 05/02/23 13:54

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 15:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 15:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 15:16	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 15:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 15:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 15:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130			05/04/23 13:47	05/07/23 15:16	1
1,4-Difluorobenzene (Surr)	77		70 - 130			05/04/23 13:47	05/07/23 15:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 17:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 17:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 17:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			05/05/23 14:38	05/07/23 17:39	1
o-Terphenyl (Surr)	118		70 - 130			05/05/23 14:38	05/07/23 17:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	329		4.97	mg/Kg			05/10/23 03:45	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-33

Lab Sample ID: 880-27940-33

Date Collected: 05/02/23 13:56

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 15:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 15:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 15:42	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:47	05/07/23 15:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 15:42	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:47	05/07/23 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130	05/04/23 13:47	05/07/23 15:42	1
1,4-Difluorobenzene (Surr)	80		70 - 130	05/04/23 13:47	05/07/23 15:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 18:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 18:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130	05/05/23 14:38	05/07/23 18:02	1
o-Terphenyl (Surr)	127		70 - 130	05/05/23 14:38	05/07/23 18:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		5.05	mg/Kg			05/10/23 03:50	1

Client Sample ID: CS-34

Lab Sample ID: 880-27940-34

Date Collected: 05/02/23 13:58

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 16:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 16:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 16:08	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/04/23 13:47	05/07/23 16:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 16:08	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/04/23 13:47	05/07/23 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130	05/04/23 13:47	05/07/23 16:08	1
1,4-Difluorobenzene (Surr)	75		70 - 130	05/04/23 13:47	05/07/23 16:08	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-34

Lab Sample ID: 880-27940-34

Date Collected: 05/02/23 13:58

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 18:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 18:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 18:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			05/05/23 14:38	05/07/23 18:24	1
o-Terphenyl (Surr)	125		70 - 130			05/05/23 14:38	05/07/23 18:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	430		5.04	mg/Kg			05/10/23 04:04	1

Client Sample ID: CS-35

Lab Sample ID: 880-27940-35

Date Collected: 05/02/23 14:00

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 16:34	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 16:34	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 16:34	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:47	05/07/23 16:34	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 16:34	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:47	05/07/23 16:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	172	S1+	70 - 130			05/04/23 13:47	05/07/23 16:34	1
1,4-Difluorobenzene (Surr)	83		70 - 130			05/04/23 13:47	05/07/23 16:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 18:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 18:47	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-35

Lab Sample ID: 880-27940-35

Date Collected: 05/02/23 14:00

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 18:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			05/05/23 14:38	05/07/23 18:47	1
o-Terphenyl (Surr)	122		70 - 130			05/05/23 14:38	05/07/23 18:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	793		5.04	mg/Kg			05/10/23 04:09	1

Client Sample ID: CS-36

Lab Sample ID: 880-27940-36

Date Collected: 05/02/23 14:02

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 17:01	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 17:01	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 17:01	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:47	05/07/23 17:01	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:47	05/07/23 17:01	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:47	05/07/23 17:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	164	S1+	70 - 130			05/04/23 13:47	05/07/23 17:01	1
1,4-Difluorobenzene (Surr)	82		70 - 130			05/04/23 13:47	05/07/23 17:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 19:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 19:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			05/05/23 14:38	05/07/23 19:09	1
o-Terphenyl (Surr)	121		70 - 130			05/05/23 14:38	05/07/23 19:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	557		5.01	mg/Kg			05/10/23 04:14	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-37

Lab Sample ID: 880-27940-37

Date Collected: 05/02/23 14:04

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 17:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 17:27	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 17:27	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 17:27	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 17:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	164	S1+	70 - 130	05/04/23 13:47	05/07/23 17:27	1
1,4-Difluorobenzene (Surr)	76		70 - 130	05/04/23 13:47	05/07/23 17:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 19:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 19:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130	05/05/23 14:38	05/07/23 19:32	1
o-Terphenyl (Surr)	128		70 - 130	05/05/23 14:38	05/07/23 19:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		4.98	mg/Kg			05/10/23 04:19	1

Client Sample ID: CS-38

Lab Sample ID: 880-27940-38

Date Collected: 05/02/23 14:06

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 17:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 17:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 17:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 17:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 17:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130	05/04/23 13:47	05/07/23 17:53	1
1,4-Difluorobenzene (Surr)	80		70 - 130	05/04/23 13:47	05/07/23 17:53	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-38

Lab Sample ID: 880-27940-38

Date Collected: 05/02/23 14:06

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 19:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 19:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 19:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			05/05/23 14:38	05/07/23 19:55	1
o-Terphenyl (Surr)	126		70 - 130			05/05/23 14:38	05/07/23 19:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	883		4.99	mg/Kg			05/10/23 04:23	1

Client Sample ID: CS-39

Lab Sample ID: 880-27940-39

Date Collected: 05/02/23 14:08

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 18:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 18:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 18:20	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:47	05/07/23 18:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 18:20	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:47	05/07/23 18:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130			05/04/23 13:47	05/07/23 18:20	1
1,4-Difluorobenzene (Surr)	75		70 - 130			05/04/23 13:47	05/07/23 18:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 20:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 20:17	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-39

Lab Sample ID: 880-27940-39

Date Collected: 05/02/23 14:08

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 14:38	05/07/23 20:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			05/05/23 14:38	05/07/23 20:17	1
o-Terphenyl (Surr)	125		70 - 130			05/05/23 14:38	05/07/23 20:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	614		5.01	mg/Kg			05/10/23 04:28	1

Client Sample ID: CS-40

Lab Sample ID: 880-27940-40

Date Collected: 05/02/23 14:10

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 18:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 18:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 18:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 18:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:47	05/07/23 18:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:47	05/07/23 18:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	172	S1+	70 - 130			05/04/23 13:47	05/07/23 18:46	1
1,4-Difluorobenzene (Surr)	81		70 - 130			05/04/23 13:47	05/07/23 18:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 20:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 20:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 14:38	05/07/23 20:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			05/05/23 14:38	05/07/23 20:40	1
o-Terphenyl (Surr)	122		70 - 130			05/05/23 14:38	05/07/23 20:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	414		4.95	mg/Kg			05/10/23 04:33	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-41

Lab Sample ID: 880-27940-41

Date Collected: 05/02/23 14:12

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199	mg/Kg		05/04/23 13:48	05/07/23 01:56	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 01:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 01:56	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:48	05/07/23 01:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 01:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:48	05/07/23 01:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/04/23 13:48	05/07/23 01:56	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/04/23 13:48	05/07/23 01:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 12:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 12:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 17:08	05/07/23 12:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	05/05/23 17:08	05/07/23 12:09	1
o-Terphenyl (Surr)	111		70 - 130	05/05/23 17:08	05/07/23 12:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114	*-	5.02	mg/Kg			05/10/23 00:08	1

Client Sample ID: CS-42

Lab Sample ID: 880-27940-42

Date Collected: 05/02/23 14:14

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U **	0.00198	mg/Kg		05/04/23 13:48	05/07/23 02:16	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:48	05/07/23 02:16	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:48	05/07/23 02:16	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		05/04/23 13:48	05/07/23 02:16	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:48	05/07/23 02:16	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		05/04/23 13:48	05/07/23 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	05/04/23 13:48	05/07/23 02:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/04/23 13:48	05/07/23 02:16	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-42

Lab Sample ID: 880-27940-42

Date Collected: 05/02/23 14:14

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8	mg/Kg		05/05/23 17:08	05/07/23 13:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8	mg/Kg		05/05/23 17:08	05/07/23 13:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 17:08	05/07/23 13:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			05/05/23 17:08	05/07/23 13:15	1
o-Terphenyl (Surr)	126		70 - 130			05/05/23 17:08	05/07/23 13:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	928	*-	5.05	mg/Kg			05/10/23 00:24	1

Client Sample ID: CS-43

Lab Sample ID: 880-27940-43

Date Collected: 05/02/23 14:16

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199	mg/Kg		05/04/23 13:48	05/07/23 02:36	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 02:36	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 02:36	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:48	05/07/23 02:36	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 02:36	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:48	05/07/23 02:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			05/04/23 13:48	05/07/23 02:36	1
1,4-Difluorobenzene (Surr)	101		70 - 130			05/04/23 13:48	05/07/23 02:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0	mg/Kg		05/05/23 17:08	05/07/23 13:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		05/05/23 17:08	05/07/23 13:37	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-43

Lab Sample ID: 880-27940-43

Date Collected: 05/02/23 14:16

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 17:08	05/07/23 13:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130			05/05/23 17:08	05/07/23 13:37	1
o-Terphenyl (Surr)	128		70 - 130			05/05/23 17:08	05/07/23 13:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	526	*-	4.98	mg/Kg			05/10/23 00:30	1

Client Sample ID: CS-44

Lab Sample ID: 880-27940-44

Date Collected: 05/02/23 14:18

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200	mg/Kg		05/04/23 13:48	05/07/23 02:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 02:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 02:57	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:48	05/07/23 02:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 02:57	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:48	05/07/23 02:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			05/04/23 13:48	05/07/23 02:57	1
1,4-Difluorobenzene (Surr)	107		70 - 130			05/04/23 13:48	05/07/23 02:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8	mg/Kg		05/05/23 17:08	05/07/23 13:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8	mg/Kg		05/05/23 17:08	05/07/23 13:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 17:08	05/07/23 13:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			05/05/23 17:08	05/07/23 13:59	1
o-Terphenyl (Surr)	109		70 - 130			05/05/23 17:08	05/07/23 13:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	626	*-	4.96	mg/Kg			05/10/23 00:35	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-45

Lab Sample ID: 880-27940-45

Date Collected: 05/02/23 14:20

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201	mg/Kg		05/04/23 13:48	05/07/23 03:17	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 03:17	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 03:17	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:48	05/07/23 03:17	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 03:17	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:48	05/07/23 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/04/23 13:48	05/07/23 03:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/04/23 13:48	05/07/23 03:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0	mg/Kg		05/05/23 17:08	05/07/23 14:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		05/05/23 17:08	05/07/23 14:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 17:08	05/07/23 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	194	S1+	70 - 130	05/05/23 17:08	05/07/23 14:21	1
o-Terphenyl (Surr)	201	S1+	70 - 130	05/05/23 17:08	05/07/23 14:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	364	*-	5.00	mg/Kg			05/10/23 00:40	1

Client Sample ID: CS-46

Lab Sample ID: 880-27940-46

Date Collected: 05/02/23 14:22

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200	mg/Kg		05/04/23 13:48	05/07/23 03:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 03:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 03:38	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/04/23 13:48	05/07/23 03:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 03:38	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/04/23 13:48	05/07/23 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	05/04/23 13:48	05/07/23 03:38	1
1,4-Difluorobenzene (Surr)	107		70 - 130	05/04/23 13:48	05/07/23 03:38	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-46

Lab Sample ID: 880-27940-46

Date Collected: 05/02/23 14:22

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0	mg/Kg		05/05/23 17:08	05/07/23 14:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		05/05/23 17:08	05/07/23 14:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 17:08	05/07/23 14:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			05/05/23 17:08	05/07/23 14:43	1
o-Terphenyl (Surr)	117		70 - 130			05/05/23 17:08	05/07/23 14:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	339	*-	5.03	mg/Kg			05/10/23 00:56	1

Client Sample ID: CS-47

Lab Sample ID: 880-27940-47

Date Collected: 05/02/23 14:24

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U **	0.00198	mg/Kg		05/04/23 13:48	05/07/23 03:58	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:48	05/07/23 03:58	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:48	05/07/23 03:58	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		05/04/23 13:48	05/07/23 03:58	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:48	05/07/23 03:58	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		05/04/23 13:48	05/07/23 03:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			05/04/23 13:48	05/07/23 03:58	1
1,4-Difluorobenzene (Surr)	94		70 - 130			05/04/23 13:48	05/07/23 03:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 15:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 15:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-47

Lab Sample ID: 880-27940-47

Date Collected: 05/02/23 14:24

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 17:08	05/07/23 15:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			05/05/23 17:08	05/07/23 15:06	1
o-Terphenyl (Surr)	124		70 - 130			05/05/23 17:08	05/07/23 15:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	362	*-	5.01	mg/Kg			05/10/23 01:02	1

Client Sample ID: CS-48

Lab Sample ID: 880-27940-48

Date Collected: 05/02/23 14:26

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199	mg/Kg		05/04/23 13:48	05/07/23 04:18	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 04:18	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 04:18	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:48	05/07/23 04:18	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 04:18	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:48	05/07/23 04:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			05/04/23 13:48	05/07/23 04:18	1
1,4-Difluorobenzene (Surr)	106		70 - 130			05/04/23 13:48	05/07/23 04:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0	mg/Kg		05/05/23 17:08	05/07/23 15:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		05/05/23 17:08	05/07/23 15:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 17:08	05/07/23 15:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			05/05/23 17:08	05/07/23 15:28	1
o-Terphenyl (Surr)	116		70 - 130			05/05/23 17:08	05/07/23 15:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218	*-	4.99	mg/Kg			05/10/23 01:07	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-49

Lab Sample ID: 880-27940-49

Date Collected: 05/02/23 14:28

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U **	0.00198	mg/Kg		05/04/23 13:48	05/07/23 04:39	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:48	05/07/23 04:39	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:48	05/07/23 04:39	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		05/04/23 13:48	05/07/23 04:39	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:48	05/07/23 04:39	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		05/04/23 13:48	05/07/23 04:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	05/04/23 13:48	05/07/23 04:39	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/04/23 13:48	05/07/23 04:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 15:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 15:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 17:08	05/07/23 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	05/05/23 17:08	05/07/23 15:50	1
o-Terphenyl (Surr)	116		70 - 130	05/05/23 17:08	05/07/23 15:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200	*-	5.03	mg/Kg			05/10/23 01:12	1

Client Sample ID: CS-50

Lab Sample ID: 880-27940-50

Date Collected: 05/02/23 14:30

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200	mg/Kg		05/04/23 13:48	05/07/23 04:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 04:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 04:59	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/04/23 13:48	05/07/23 04:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 04:59	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/04/23 13:48	05/07/23 04:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/04/23 13:48	05/07/23 04:59	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/04/23 13:48	05/07/23 04:59	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-50

Lab Sample ID: 880-27940-50

Date Collected: 05/02/23 14:30

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 16:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 16:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 17:08	05/07/23 16:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			05/05/23 17:08	05/07/23 16:12	1
o-Terphenyl (Surr)	120		70 - 130			05/05/23 17:08	05/07/23 16:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	537	*-	4.98	mg/Kg			05/10/23 01:18	1

Client Sample ID: CS-51

Lab Sample ID: 880-27940-51

Date Collected: 05/02/23 14:32

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200	mg/Kg		05/04/23 13:48	05/07/23 06:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 06:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 06:49	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:48	05/07/23 06:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 06:49	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:48	05/07/23 06:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			05/04/23 13:48	05/07/23 06:49	1
1,4-Difluorobenzene (Surr)	102		70 - 130			05/04/23 13:48	05/07/23 06:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 16:56	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-51

Lab Sample ID: 880-27940-51

Date Collected: 05/02/23 14:32

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 17:08	05/07/23 16:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			05/05/23 17:08	05/07/23 16:56	1
o-Terphenyl (Surr)	107		70 - 130			05/05/23 17:08	05/07/23 16:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	183	*-	4.96	mg/Kg			05/10/23 01:23	1

Client Sample ID: CS-52

Lab Sample ID: 880-27940-52

Date Collected: 05/02/23 14:34

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201	mg/Kg		05/04/23 13:48	05/07/23 07:09	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 07:09	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 07:09	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:48	05/07/23 07:09	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 07:09	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:48	05/07/23 07:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			05/04/23 13:48	05/07/23 07:09	1
1,4-Difluorobenzene (Surr)	97		70 - 130			05/04/23 13:48	05/07/23 07:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0	mg/Kg		05/05/23 17:08	05/07/23 17:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		05/05/23 17:08	05/07/23 17:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 17:08	05/07/23 17:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			05/05/23 17:08	05/07/23 17:19	1
o-Terphenyl (Surr)	119		70 - 130			05/05/23 17:08	05/07/23 17:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2270	*-	25.1	mg/Kg			05/10/23 01:39	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-53

Lab Sample ID: 880-27940-53

Date Collected: 05/02/23 14:36

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199	mg/Kg		05/04/23 13:48	05/07/23 07:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 07:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 07:30	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:48	05/07/23 07:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 07:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:48	05/07/23 07:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/04/23 13:48	05/07/23 07:30	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/04/23 13:48	05/07/23 07:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8	mg/Kg		05/05/23 17:08	05/07/23 17:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8	mg/Kg		05/05/23 17:08	05/07/23 17:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 17:08	05/07/23 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	05/05/23 17:08	05/07/23 17:41	1
o-Terphenyl (Surr)	120		70 - 130	05/05/23 17:08	05/07/23 17:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1060	*-	5.01	mg/Kg			05/10/23 01:45	1

Client Sample ID: CS-54

Lab Sample ID: 880-27940-54

Date Collected: 05/02/23 15:45

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199	mg/Kg		05/04/23 13:48	05/07/23 07:50	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 07:50	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 07:50	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:48	05/07/23 07:50	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:48	05/07/23 07:50	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:48	05/07/23 07:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	05/04/23 13:48	05/07/23 07:50	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/04/23 13:48	05/07/23 07:50	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-54

Lab Sample ID: 880-27940-54

Date Collected: 05/02/23 15:45

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 18:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 18:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 17:08	05/07/23 18:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			05/05/23 17:08	05/07/23 18:03	1
o-Terphenyl (Surr)	117		70 - 130			05/05/23 17:08	05/07/23 18:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.3	*-	4.97	mg/Kg			05/10/23 02:01	1

Client Sample ID: CS-55

Lab Sample ID: 880-27940-55

Date Collected: 05/02/23 15:47

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200	mg/Kg		05/04/23 13:48	05/07/23 08:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 08:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 08:11	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:48	05/07/23 08:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 08:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:48	05/07/23 08:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			05/04/23 13:48	05/07/23 08:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130			05/04/23 13:48	05/07/23 08:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0	mg/Kg		05/05/23 17:08	05/07/23 18:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		05/05/23 17:08	05/07/23 18:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-55

Lab Sample ID: 880-27940-55

Date Collected: 05/02/23 15:47

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 17:08	05/07/23 18:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			05/05/23 17:08	05/07/23 18:25	1
o-Terphenyl (Surr)	112		70 - 130			05/05/23 17:08	05/07/23 18:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.9	*-	5.03	mg/Kg			05/10/23 02:06	1

Client Sample ID: CS-56

Lab Sample ID: 880-27940-56

Date Collected: 05/02/23 15:50

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201	mg/Kg		05/04/23 13:48	05/07/23 08:31	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 08:31	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 08:31	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:48	05/07/23 08:31	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 08:31	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:48	05/07/23 08:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			05/04/23 13:48	05/07/23 08:31	1
1,4-Difluorobenzene (Surr)	0.04	S1-	70 - 130			05/04/23 13:48	05/07/23 08:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8	mg/Kg		05/05/23 17:08	05/07/23 18:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8	mg/Kg		05/05/23 17:08	05/07/23 18:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 17:08	05/07/23 18:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			05/05/23 17:08	05/07/23 18:48	1
o-Terphenyl (Surr)	99		70 - 130			05/05/23 17:08	05/07/23 18:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	511	*-	4.98	mg/Kg			05/10/23 02:11	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-57

Lab Sample ID: 880-27940-57

Date Collected: 05/03/23 10:20

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200	mg/Kg		05/04/23 13:48	05/07/23 08:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 08:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 08:52	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/04/23 13:48	05/07/23 08:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 08:52	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/04/23 13:48	05/07/23 08:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/04/23 13:48	05/07/23 08:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/04/23 13:48	05/07/23 08:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8	mg/Kg		05/05/23 17:08	05/07/23 19:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8	mg/Kg		05/05/23 17:08	05/07/23 19:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 17:08	05/07/23 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	05/05/23 17:08	05/07/23 19:10	1
o-Terphenyl (Surr)	102		70 - 130	05/05/23 17:08	05/07/23 19:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	435	*-	4.95	mg/Kg			05/10/23 02:17	1

Client Sample ID: CS-58

Lab Sample ID: 880-27940-58

Date Collected: 05/03/23 10:22

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201	mg/Kg		05/04/23 13:48	05/07/23 09:12	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 09:12	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 09:12	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:48	05/07/23 09:12	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 09:12	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:48	05/07/23 09:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	05/04/23 13:48	05/07/23 09:12	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/04/23 13:48	05/07/23 09:12	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-58

Lab Sample ID: 880-27940-58

Date Collected: 05/03/23 10:22

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 19:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 19:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 17:08	05/07/23 19:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			05/05/23 17:08	05/07/23 19:32	1
o-Terphenyl (Surr)	103		70 - 130			05/05/23 17:08	05/07/23 19:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	984	*-	4.95	mg/Kg			05/10/23 02:22	1

Client Sample ID: CS-59

Lab Sample ID: 880-27940-59

Date Collected: 05/03/23 10:24

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201	mg/Kg		05/04/23 13:48	05/07/23 09:33	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 09:33	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 09:33	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:48	05/07/23 09:33	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:48	05/07/23 09:33	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:48	05/07/23 09:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			05/04/23 13:48	05/07/23 09:33	1
1,4-Difluorobenzene (Surr)	109		70 - 130			05/04/23 13:48	05/07/23 09:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8	mg/Kg		05/05/23 17:08	05/07/23 19:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8	mg/Kg		05/05/23 17:08	05/07/23 19:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-59

Lab Sample ID: 880-27940-59

Date Collected: 05/03/23 10:24

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/05/23 17:08	05/07/23 19:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			05/05/23 17:08	05/07/23 19:55	1
o-Terphenyl (Surr)	123		70 - 130			05/05/23 17:08	05/07/23 19:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141	*-	4.97	mg/Kg			05/10/23 02:27	1

Client Sample ID: CS-60

Lab Sample ID: 880-27940-60

Date Collected: 05/03/23 10:26

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *	0.00198	mg/Kg		05/04/23 13:48	05/07/23 09:53	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:48	05/07/23 09:53	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:48	05/07/23 09:53	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		05/04/23 13:48	05/07/23 09:53	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/04/23 13:48	05/07/23 09:53	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		05/04/23 13:48	05/07/23 09:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			05/04/23 13:48	05/07/23 09:53	1
1,4-Difluorobenzene (Surr)	107		70 - 130			05/04/23 13:48	05/07/23 09:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			05/08/23 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/08/23 16:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 20:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		05/05/23 17:08	05/07/23 20:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/05/23 17:08	05/07/23 20:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			05/05/23 17:08	05/07/23 20:17	1
o-Terphenyl (Surr)	121		70 - 130			05/05/23 17:08	05/07/23 20:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.4	*-	5.04	mg/Kg			05/10/23 02:33	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-61

Lab Sample ID: 880-27940-61

Date Collected: 05/03/23 10:28

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 16:03	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 16:03	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 16:03	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 16:03	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 16:03	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/04/23 13:50	05/08/23 16:03	1
1,4-Difluorobenzene (Surr)	120		70 - 130	05/04/23 13:50	05/08/23 16:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9	mg/Kg		05/08/23 08:53	05/10/23 23:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/10/23 23:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/10/23 23:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	129		70 - 130	05/08/23 08:53	05/10/23 23:49	1
o-Terphenyl (Surr)	151	S1+	70 - 130	05/08/23 08:53	05/10/23 23:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	274		4.98	mg/Kg			05/10/23 03:16	1

Client Sample ID: CS-62

Lab Sample ID: 880-27940-62

Date Collected: 05/03/23 10:30

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 16:24	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 16:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 16:24	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:50	05/08/23 16:24	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 16:24	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:50	05/08/23 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/04/23 13:50	05/08/23 16:24	1
1,4-Difluorobenzene (Surr)	125		70 - 130	05/04/23 13:50	05/08/23 16:24	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-62

Lab Sample ID: 880-27940-62

Date Collected: 05/03/23 10:30

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 00:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 00:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 00:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			05/08/23 08:53	05/11/23 00:54	1
o-Terphenyl (Surr)	139	S1+	70 - 130			05/08/23 08:53	05/11/23 00:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	602		4.99	mg/Kg			05/10/23 03:32	1

Client Sample ID: CS-63

Lab Sample ID: 880-27940-63

Date Collected: 05/03/23 10:32

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:50	05/08/23 16:45	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:50	05/08/23 16:45	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:50	05/08/23 16:45	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:50	05/08/23 16:45	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:50	05/08/23 16:45	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:50	05/08/23 16:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			05/04/23 13:50	05/08/23 16:45	1
1,4-Difluorobenzene (Surr)	123		70 - 130			05/04/23 13:50	05/08/23 16:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/08/23 08:53	05/11/23 01:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/08/23 08:53	05/11/23 01:16	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-63

Lab Sample ID: 880-27940-63

Date Collected: 05/03/23 10:32

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/08/23 08:53	05/11/23 01:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130			05/08/23 08:53	05/11/23 01:16	1
o-Terphenyl (Surr)	140	S1+	70 - 130			05/08/23 08:53	05/11/23 01:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	692		5.03	mg/Kg			05/10/23 03:37	1

Client Sample ID: CS-64

Lab Sample ID: 880-27940-64

Date Collected: 05/03/23 10:34

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		05/04/23 13:50	05/08/23 17:05	1
Toluene	<0.00202	U	0.00202	mg/Kg		05/04/23 13:50	05/08/23 17:05	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		05/04/23 13:50	05/08/23 17:05	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		05/04/23 13:50	05/08/23 17:05	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/04/23 13:50	05/08/23 17:05	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		05/04/23 13:50	05/08/23 17:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			05/04/23 13:50	05/08/23 17:05	1
1,4-Difluorobenzene (Surr)	126		70 - 130			05/04/23 13:50	05/08/23 17:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/08/23 08:53	05/11/23 01:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/08/23 08:53	05/11/23 01:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/08/23 08:53	05/11/23 01:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			05/08/23 08:53	05/11/23 01:37	1
o-Terphenyl (Surr)	124		70 - 130			05/08/23 08:53	05/11/23 01:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	534		5.02	mg/Kg			05/10/23 03:42	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-65

Lab Sample ID: 880-27940-65

Date Collected: 05/03/23 10:36

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 17:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 17:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 17:26	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 17:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 17:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/04/23 13:50	05/08/23 17:26	1
1,4-Difluorobenzene (Surr)	124		70 - 130	05/04/23 13:50	05/08/23 17:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 01:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 01:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130	05/08/23 08:53	05/11/23 01:59	1
o-Terphenyl (Surr)	146	S1+	70 - 130	05/08/23 08:53	05/11/23 01:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	699		4.99	mg/Kg			05/10/23 03:48	1

Client Sample ID: CS-66

Lab Sample ID: 880-27940-66

Date Collected: 05/03/23 10:38

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 17:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 17:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 17:47	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 17:47	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 17:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	05/04/23 13:50	05/08/23 17:47	1
1,4-Difluorobenzene (Surr)	118		70 - 130	05/04/23 13:50	05/08/23 17:47	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-66

Lab Sample ID: 880-27940-66

Date Collected: 05/03/23 10:38

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 02:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 02:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 02:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			05/08/23 08:53	05/11/23 02:20	1
o-Terphenyl (Surr)	125		70 - 130			05/08/23 08:53	05/11/23 02:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	417		4.98	mg/Kg			05/10/23 04:04	1

Client Sample ID: CS-67

Lab Sample ID: 880-27940-67

Date Collected: 05/03/23 10:40

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 18:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 18:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 18:08	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:50	05/08/23 18:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 18:08	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:50	05/08/23 18:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			05/04/23 13:50	05/08/23 18:08	1
1,4-Difluorobenzene (Surr)	124		70 - 130			05/04/23 13:50	05/08/23 18:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 02:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 02:42	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-67

Lab Sample ID: 880-27940-67

Date Collected: 05/03/23 10:40

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 02:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			05/08/23 08:53	05/11/23 02:42	1
o-Terphenyl (Surr)	127		70 - 130			05/08/23 08:53	05/11/23 02:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	348		5.03	mg/Kg			05/10/23 04:09	1

Client Sample ID: CS-68

Lab Sample ID: 880-27940-68

Date Collected: 05/03/23 10:42

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 18:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 18:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 18:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 18:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 18:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 18:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			05/04/23 13:50	05/08/23 18:29	1
1,4-Difluorobenzene (Surr)	119		70 - 130			05/04/23 13:50	05/08/23 18:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 03:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 03:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 03:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			05/08/23 08:53	05/11/23 03:04	1
o-Terphenyl (Surr)	138	S1+	70 - 130			05/08/23 08:53	05/11/23 03:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	331		5.05	mg/Kg			05/10/23 04:15	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-69

Lab Sample ID: 880-27940-69

Date Collected: 05/03/23 10:44

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 18:49	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 18:49	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 18:49	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 18:49	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 18:49	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/04/23 13:50	05/08/23 18:49	1
1,4-Difluorobenzene (Surr)	121		70 - 130	05/04/23 13:50	05/08/23 18:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 03:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 03:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 03:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130	05/08/23 08:53	05/11/23 03:26	1
o-Terphenyl (Surr)	134	S1+	70 - 130	05/08/23 08:53	05/11/23 03:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		5.03	mg/Kg			05/10/23 04:20	1

Client Sample ID: CS-70

Lab Sample ID: 880-27940-70

Date Collected: 05/03/23 10:46

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:50	05/08/23 19:10	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:50	05/08/23 19:10	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:50	05/08/23 19:10	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:50	05/08/23 19:10	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:50	05/08/23 19:10	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:50	05/08/23 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	05/04/23 13:50	05/08/23 19:10	1
1,4-Difluorobenzene (Surr)	128		70 - 130	05/04/23 13:50	05/08/23 19:10	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-70

Lab Sample ID: 880-27940-70

Date Collected: 05/03/23 10:46

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/08/23 08:53	05/11/23 03:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/08/23 08:53	05/11/23 03:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/08/23 08:53	05/11/23 03:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			05/08/23 08:53	05/11/23 03:48	1
o-Terphenyl (Surr)	124		70 - 130			05/08/23 08:53	05/11/23 03:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1860		24.9	mg/Kg			05/10/23 04:25	5

Client Sample ID: CS-71

Lab Sample ID: 880-27940-71

Date Collected: 05/03/23 10:48

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 20:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 20:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 20:35	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/04/23 13:50	05/08/23 20:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 20:35	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/04/23 13:50	05/08/23 20:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			05/04/23 13:50	05/08/23 20:35	1
1,4-Difluorobenzene (Surr)	117		70 - 130			05/04/23 13:50	05/08/23 20:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 04:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 04:31	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-71

Lab Sample ID: 880-27940-71

Date Collected: 05/03/23 10:48

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 04:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130			05/08/23 08:53	05/11/23 04:31	1
o-Terphenyl (Surr)	130		70 - 130			05/08/23 08:53	05/11/23 04:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	715	F1	4.99	mg/Kg			05/10/23 04:31	1

Client Sample ID: CS-72

Lab Sample ID: 880-27940-72

Date Collected: 05/03/23 10:50

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 20:55	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 20:55	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 20:55	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 20:55	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 20:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 20:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			05/04/23 13:50	05/08/23 20:55	1
1,4-Difluorobenzene (Surr)	122		70 - 130			05/04/23 13:50	05/08/23 20:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 04:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 04:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 04:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130			05/08/23 08:53	05/11/23 04:53	1
o-Terphenyl (Surr)	152	S1+	70 - 130			05/08/23 08:53	05/11/23 04:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	423		4.95	mg/Kg			05/10/23 04:47	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-73

Lab Sample ID: 880-27940-73

Date Collected: 05/03/23 10:52

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 21:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 21:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 21:16	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 21:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 21:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/04/23 13:50	05/08/23 21:16	1
1,4-Difluorobenzene (Surr)	126		70 - 130	05/04/23 13:50	05/08/23 21:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 05:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 05:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 05:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130	05/08/23 08:53	05/11/23 05:14	1
o-Terphenyl (Surr)	135	S1+	70 - 130	05/08/23 08:53	05/11/23 05:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	446		5.04	mg/Kg			05/10/23 04:52	1

Client Sample ID: CS-74

Lab Sample ID: 880-27940-74

Date Collected: 05/03/23 10:54

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 21:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 21:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 21:37	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:50	05/08/23 21:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 21:37	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:50	05/08/23 21:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/04/23 13:50	05/08/23 21:37	1
1,4-Difluorobenzene (Surr)	125		70 - 130	05/04/23 13:50	05/08/23 21:37	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-74

Lab Sample ID: 880-27940-74

Date Collected: 05/03/23 10:54

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/08/23 08:53	05/11/23 05:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/08/23 08:53	05/11/23 05:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/08/23 08:53	05/11/23 05:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			05/08/23 08:53	05/11/23 05:36	1
o-Terphenyl (Surr)	123		70 - 130			05/08/23 08:53	05/11/23 05:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	394		4.99	mg/Kg			05/10/23 05:08	1

Client Sample ID: CS-75

Lab Sample ID: 880-27940-75

Date Collected: 05/03/23 11:00

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		05/04/23 13:50	05/08/23 21:58	1
Toluene	<0.00202	U	0.00202	mg/Kg		05/04/23 13:50	05/08/23 21:58	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		05/04/23 13:50	05/08/23 21:58	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		05/04/23 13:50	05/08/23 21:58	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/04/23 13:50	05/08/23 21:58	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		05/04/23 13:50	05/08/23 21:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			05/04/23 13:50	05/08/23 21:58	1
1,4-Difluorobenzene (Surr)	121		70 - 130			05/04/23 13:50	05/08/23 21:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 05:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 05:58	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-75

Lab Sample ID: 880-27940-75

Date Collected: 05/03/23 11:00

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 05:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130			05/08/23 08:53	05/11/23 05:58	1
o-Terphenyl (Surr)	141	S1+	70 - 130			05/08/23 08:53	05/11/23 05:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		4.97	mg/Kg			05/10/23 05:14	1

Client Sample ID: CS-76

Lab Sample ID: 880-27940-76

Date Collected: 05/03/23 11:02

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 22:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 22:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 22:19	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/04/23 13:50	05/08/23 22:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 22:19	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/04/23 13:50	05/08/23 22:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			05/04/23 13:50	05/08/23 22:19	1
1,4-Difluorobenzene (Surr)	124		70 - 130			05/04/23 13:50	05/08/23 22:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 06:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 06:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 06:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130			05/08/23 08:53	05/11/23 06:19	1
o-Terphenyl (Surr)	156	S1+	70 - 130			05/08/23 08:53	05/11/23 06:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		5.03	mg/Kg			05/10/23 05:19	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-77

Lab Sample ID: 880-27940-77

Date Collected: 05/03/23 11:04

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 22:40	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 22:40	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 22:40	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 22:40	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 22:40	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/04/23 13:50	05/08/23 22:40	1
1,4-Difluorobenzene (Surr)	113		70 - 130	05/04/23 13:50	05/08/23 22:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 06:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 06:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 06:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	05/08/23 08:53	05/11/23 06:40	1
o-Terphenyl (Surr)	138	S1+	70 - 130	05/08/23 08:53	05/11/23 06:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		4.99	mg/Kg			05/10/23 05:24	1

Client Sample ID: CS-78

Lab Sample ID: 880-27940-78

Date Collected: 05/03/23 11:06

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 23:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 23:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 23:00	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 23:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:50	05/08/23 23:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 13:50	05/08/23 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/04/23 13:50	05/08/23 23:00	1
1,4-Difluorobenzene (Surr)	120		70 - 130	05/04/23 13:50	05/08/23 23:00	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-78

Lab Sample ID: 880-27940-78

Date Collected: 05/03/23 11:06

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 07:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 07:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 07:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			05/08/23 08:53	05/11/23 07:00	1
o-Terphenyl (Surr)	153	S1+	70 - 130			05/08/23 08:53	05/11/23 07:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	867		4.98	mg/Kg			05/10/23 05:30	1

Client Sample ID: CS-79

Lab Sample ID: 880-27940-79

Date Collected: 05/03/23 11:08

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 23:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 23:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 23:21	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:50	05/08/23 23:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 23:21	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/04/23 13:50	05/08/23 23:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			05/04/23 13:50	05/08/23 23:21	1
1,4-Difluorobenzene (Surr)	117		70 - 130			05/04/23 13:50	05/08/23 23:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 07:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 07:21	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-79

Lab Sample ID: 880-27940-79

Date Collected: 05/03/23 11:08

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/08/23 08:53	05/11/23 07:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			05/08/23 08:53	05/11/23 07:21	1
o-Terphenyl (Surr)	132	S1+	70 - 130			05/08/23 08:53	05/11/23 07:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	520		5.01	mg/Kg			05/10/23 05:35	1

Client Sample ID: CS-80

Lab Sample ID: 880-27940-80

Date Collected: 05/03/23 11:10

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:50	05/08/23 23:42	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:50	05/08/23 23:42	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:50	05/08/23 23:42	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/04/23 13:50	05/08/23 23:42	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:50	05/08/23 23:42	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/04/23 13:50	05/08/23 23:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			05/04/23 13:50	05/08/23 23:42	1
1,4-Difluorobenzene (Surr)	118		70 - 130			05/04/23 13:50	05/08/23 23:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/09/23 12:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/11/23 12:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 07:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 07:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/11/23 07:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			05/08/23 08:53	05/11/23 07:41	1
o-Terphenyl (Surr)	134	S1+	70 - 130			05/08/23 08:53	05/11/23 07:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	242		5.00	mg/Kg			05/10/23 05:40	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-81

Lab Sample ID: 880-27940-81

Date Collected: 05/03/23 11:12

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200	mg/Kg		05/04/23 14:42	05/05/23 11:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 14:42	05/05/23 11:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 14:42	05/05/23 11:13	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/04/23 14:42	05/05/23 11:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 14:42	05/05/23 11:13	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/04/23 14:42	05/05/23 11:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	05/04/23 14:42	05/05/23 11:13	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/04/23 14:42	05/05/23 11:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/10/23 19:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/10/23 10:09	05/10/23 18:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/10/23 10:09	05/10/23 18:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/10/23 10:09	05/10/23 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130	05/10/23 10:09	05/10/23 18:27	1
o-Terphenyl (Surr)	87		70 - 130	05/10/23 10:09	05/10/23 18:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	259	B	5.02	mg/Kg			05/09/23 16:14	1

Client Sample ID: CS-82

Lab Sample ID: 880-27940-82

Date Collected: 05/03/23 11:14

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199	mg/Kg		05/04/23 14:42	05/05/23 11:33	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 14:42	05/05/23 11:33	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 14:42	05/05/23 11:33	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 14:42	05/05/23 11:33	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/04/23 14:42	05/05/23 11:33	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/04/23 14:42	05/05/23 11:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/04/23 14:42	05/05/23 11:33	1
1,4-Difluorobenzene (Surr)	78		70 - 130	05/04/23 14:42	05/05/23 11:33	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-82

Lab Sample ID: 880-27940-82

Date Collected: 05/03/23 11:14

Matrix: Solid

Date Received: 05/04/23 09:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/08/23 16:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.8		50.0	mg/Kg			05/11/23 10:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/10/23 10:09	05/10/23 18:48	1
Diesel Range Organics (Over C10-C28)	71.8		50.0	mg/Kg		05/10/23 10:09	05/10/23 18:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/10/23 10:09	05/10/23 18:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			05/10/23 10:09	05/10/23 18:48	1
o-Terphenyl (Surr)	89		70 - 130			05/10/23 10:09	05/10/23 18:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000	B	24.9	mg/Kg			05/09/23 16:28	5

Client Sample ID: CS-83

Lab Sample ID: 880-27940-83

Date Collected: 05/03/23 11:16

Matrix: Solid

Date Received: 05/04/23 09:15

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200	mg/Kg		05/05/23 12:00	05/05/23 16:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/05/23 12:00	05/05/23 16:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/05/23 12:00	05/05/23 16:47	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/05/23 12:00	05/05/23 16:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/05/23 12:00	05/05/23 16:47	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/05/23 12:00	05/05/23 16:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			05/05/23 12:00	05/05/23 16:47	1
1,4-Difluorobenzene (Surr)	98		70 - 130			05/05/23 12:00	05/05/23 16:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/08/23 16:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/11/23 10:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/10/23 10:09	05/10/23 19:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/10/23 10:09	05/10/23 19:09	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-83

Lab Sample ID: 880-27940-83

Date Collected: 05/03/23 11:16

Matrix: Solid

Date Received: 05/04/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/10/23 10:09	05/10/23 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130	05/10/23 10:09	05/10/23 19:09	1
o-Terphenyl (Surr)	96		70 - 130	05/10/23 10:09	05/10/23 19:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170	B	5.04	mg/Kg			05/09/23 16:33	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-27940-1	CS-1	168 S1+	103
880-27940-1 MS	CS-1	162 S1+	98
880-27940-1 MSD	CS-1	158 S1+	98
880-27940-2	CS-2	97	71
880-27940-3	CS-3	98	77
880-27940-4	CS-4	99	73
880-27940-5	CS-5	91	57 S1-
880-27940-6	CS-6	97	80
880-27940-7	CS-7	84	93
880-27940-8	CS-8	99	89
880-27940-9	CS-9	93	74
880-27940-10	CS-10	87	92
880-27940-11	CS-11	82	96
880-27940-12	CS-12	88	71
880-27940-13	CS-13	102	92
880-27940-14	CS-14	97	72
880-27940-15	CS-15	86	85
880-27940-16	CS-16	89	75
880-27940-17	CS-17	102	69 S1-
880-27940-18	CS-18	74	86
880-27940-19	CS-19	92	87
880-27940-20	CS-20	90	73
880-27940-21	CS-21	152 S1+	72
880-27940-21 MS	CS-21	166 S1+	90
880-27940-21 MSD	CS-21	159 S1+	101
880-27940-22	CS-22	175 S1+	82
880-27940-23	CS-23	178 S1+	85
880-27940-24	CS-24	154 S1+	71
880-27940-25	CS-25	164 S1+	74
880-27940-26	CS-26	149 S1+	75
880-27940-27	CS-27	166 S1+	90
880-27940-28	CS-28	159 S1+	74
880-27940-29	CS-29	151 S1+	82
880-27940-30	CS-30	148 S1+	75
880-27940-31	CS-31	154 S1+	82
880-27940-32	CS-32	166 S1+	77
880-27940-33	CS-33	165 S1+	80
880-27940-34	CS-34	165 S1+	75
880-27940-35	CS-35	172 S1+	83
880-27940-36	CS-36	164 S1+	82
880-27940-37	CS-37	164 S1+	76
880-27940-38	CS-38	175 S1+	80
880-27940-39	CS-39	160 S1+	75
880-27940-40	CS-40	172 S1+	81
880-27940-41	CS-41	101	98
880-27940-41 MS	CS-41	106	92
880-27940-41 MSD	CS-41	122	103
880-27940-42	CS-42	106	102
880-27940-43	CS-43	119	101

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-27940-1

Project/Site: SD P415

SDG: 22-0105-13

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)
880-27940-44	CS-44	109	107
880-27940-45	CS-45	107	100
880-27940-46	CS-46	114	107
880-27940-47	CS-47	117	94
880-27940-48	CS-48	119	106
880-27940-49	CS-49	120	106
880-27940-50	CS-50	115	99
880-27940-51	CS-51	102	102
880-27940-52	CS-52	99	97
880-27940-53	CS-53	115	98
880-27940-54	CS-54	116	102
880-27940-55	CS-55	106	100
880-27940-56	CS-56	97	0.04 S1-
880-27940-57	CS-57	117	99
880-27940-58	CS-58	127	94
880-27940-59	CS-59	127	109
880-27940-60	CS-60	121	107
880-27940-61	CS-61	101	120
880-27940-61 MS	CS-61	90	112
880-27940-61 MSD	CS-61	93	104
880-27940-62	CS-62	102	125
880-27940-63	CS-63	110	123
880-27940-64	CS-64	108	126
880-27940-65	CS-65	112	124
880-27940-66	CS-66	104	118
880-27940-67	CS-67	108	124
880-27940-68	CS-68	104	119
880-27940-69	CS-69	112	121
880-27940-70	CS-70	116	128
880-27940-71	CS-71	104	117
880-27940-72	CS-72	119	122
880-27940-73	CS-73	110	126
880-27940-74	CS-74	115	125
880-27940-75	CS-75	116	121
880-27940-76	CS-76	119	124
880-27940-77	CS-77	108	113
880-27940-78	CS-78	105	120
880-27940-79	CS-79	111	117
880-27940-80	CS-80	109	118
880-27940-81	CS-81	78	93
880-27940-81 MS	CS-81	113	104
880-27940-81 MSD	CS-81	116	108
880-27940-82	CS-82	95	78
880-27940-83	CS-83	111	98
LCS 880-52619/1-A	Lab Control Sample	119	100
LCS 880-52620/1-A	Lab Control Sample	158 S1+	88
LCS 880-52621/1-A	Lab Control Sample	126	96
LCS 880-52622/1-A	Lab Control Sample	93	102
LCS 880-52630/1-A	Lab Control Sample	101	105
LCS 880-52673/1-A	Lab Control Sample	110	102

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-27940-1

Project/Site: SD P415

SDG: 22-0105-13

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)				
LCSD 880-52619/2-A	Lab Control Sample Dup	106	107				
LCSD 880-52620/2-A	Lab Control Sample Dup	153 S1+	87				
LCSD 880-52621/2-A	Lab Control Sample Dup	105	115				
LCSD 880-52622/2-A	Lab Control Sample Dup	91	111				
LCSD 880-52630/2-A	Lab Control Sample Dup	103	114				
LCSD 880-52673/2-A	Lab Control Sample Dup	116	94				
MB 880-52519/5-A	Method Blank	85	79				
MB 880-52520/5-A	Method Blank	101	93				
MB 880-52602/5-A	Method Blank	64 S1-	79				
MB 880-52619/5-A	Method Blank	65 S1-	94				
MB 880-52620/5-A	Method Blank	89	79				
MB 880-52621/5-A	Method Blank	108	101				
MB 880-52622/5-A	Method Blank	96	101				
MB 880-52630/5-A	Method Blank	65 S1-	92				
MB 880-52673/5-A	Method Blank	102	105				
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)				
880-27940-1	CS-1	98	99				
880-27940-1 MS	CS-1	94	87				
880-27940-1 MSD	CS-1	94	86				
880-27940-2	CS-2	101	104				
880-27940-3	CS-3	97	97				
880-27940-4	CS-4	112	108				
880-27940-5	CS-5	120	115				
880-27940-6	CS-6	117	111				
880-27940-7	CS-7	97	93				
880-27940-8	CS-8	108	103				
880-27940-9	CS-9	97	94				
880-27940-10	CS-10	97	93				
880-27940-11	CS-11	100	95				
880-27940-12	CS-12	100	96				
880-27940-13	CS-13	111	105				
880-27940-14	CS-14	98	95				
880-27940-15	CS-15	100	95				
880-27940-16	CS-16	114	107				
880-27940-17	CS-17	110	103				
880-27940-18	CS-18	112	107				
880-27940-19	CS-19	97	93				
880-27940-20	CS-20	94	90				
880-27940-21	CS-21	114	127				
880-27940-21 MS	CS-21	114	115				
880-27940-21 MSD	CS-21	112	110				

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-27940-1

Project/Site: SD P415

SDG: 22-0105-13

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)
880-27940-22	CS-22	112	126
880-27940-23	CS-23	110	122
880-27940-24	CS-24	119	129
880-27940-25	CS-25	114	129
880-27940-26	CS-26	109	122
880-27940-27	CS-27	106	117
880-27940-28	CS-28	113	126
880-27940-29	CS-29	109	122
880-27940-30	CS-30	109	122
880-27940-31	CS-31	108	122
880-27940-32	CS-32	106	118
880-27940-33	CS-33	119	127
880-27940-34	CS-34	110	125
880-27940-35	CS-35	107	122
880-27940-36	CS-36	107	121
880-27940-37	CS-37	122	128
880-27940-38	CS-38	108	126
880-27940-39	CS-39	109	125
880-27940-40	CS-40	108	122
880-27940-41	CS-41	105	111
880-27940-41 MS	CS-41	112	108
880-27940-41 MSD	CS-41	115	110
880-27940-42	CS-42	121	126
880-27940-43	CS-43	125	128
880-27940-44	CS-44	102	109
880-27940-45	CS-45	194 S1+	201 S1+
880-27940-46	CS-46	107	117
880-27940-47	CS-47	118	124
880-27940-48	CS-48	109	116
880-27940-49	CS-49	108	116
880-27940-50	CS-50	118	120
880-27940-51	CS-51	100	107
880-27940-52	CS-52	109	119
880-27940-53	CS-53	111	120
880-27940-54	CS-54	109	117
880-27940-55	CS-55	106	112
880-27940-56	CS-56	93	99
880-27940-57	CS-57	98	102
880-27940-58	CS-58	95	103
880-27940-59	CS-59	121	123
880-27940-60	CS-60	112	121
880-27940-61	CS-61	129	151 S1+
880-27940-61 MS	CS-61	118	128
880-27940-61 MSD	CS-61	107	117
880-27940-62	CS-62	121	139 S1+
880-27940-63	CS-63	126	140 S1+
880-27940-64	CS-64	106	124
880-27940-65	CS-65	128	146 S1+
880-27940-66	CS-66	106	125
880-27940-67	CS-67	111	127

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-27940-1

Project/Site: SD P415

SDG: 22-0105-13

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)
880-27940-68	CS-68	117	138 S1+
880-27940-69	CS-69	113	134 S1+
880-27940-70	CS-70	107	124
880-27940-71	CS-71	115	130
880-27940-72	CS-72	122	152 S1+
880-27940-73	CS-73	118	135 S1+
880-27940-74	CS-74	107	123
880-27940-75	CS-75	122	141 S1+
880-27940-76	CS-76	128	156 S1+
880-27940-77	CS-77	120	138 S1+
880-27940-78	CS-78	121	153 S1+
880-27940-79	CS-79	113	132 S1+
880-27940-80	CS-80	113	134 S1+
880-27940-81	CS-81	119	87
880-27940-82	CS-82	120	89
880-27940-83	CS-83	127	96
LCS 880-52719/2-A	Lab Control Sample	126	120
LCS 880-52720/2-A	Lab Control Sample	140 S1+	155 S1+
LCS 880-52749/2-A	Lab Control Sample	143 S1+	145 S1+
LCS 880-52800/2-A	Lab Control Sample	95	116
LCS 880-53015/2-A	Lab Control Sample	106	82
LCSD 880-52719/3-A	Lab Control Sample Dup	119	115
LCSD 880-52720/3-A	Lab Control Sample Dup	129	142 S1+
LCSD 880-52749/3-A	Lab Control Sample Dup	102	112
LCSD 880-52800/3-A	Lab Control Sample Dup	89	114
LCSD 880-53015/3-A	Lab Control Sample Dup	119	91
MB 880-52719/1-A	Method Blank	140 S1+	158 S1+
MB 880-52720/1-A	Method Blank	185 S1+	231 S1+
MB 880-52749/1-A	Method Blank	175 S1+	200 S1+
MB 880-52800/1-A	Method Blank	120	155 S1+
MB 880-53015/1-A	Method Blank	137 S1+	110

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-52519/5-A

Matrix: Solid

Analysis Batch: 52693

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52519

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/03/23 13:23	05/06/23 19:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/03/23 13:23	05/06/23 19:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/03/23 13:23	05/06/23 19:19	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/03/23 13:23	05/06/23 19:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/03/23 13:23	05/06/23 19:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/03/23 13:23	05/06/23 19:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	05/03/23 13:23	05/06/23 19:19	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/03/23 13:23	05/06/23 19:19	1

Lab Sample ID: MB 880-52520/5-A

Matrix: Solid

Analysis Batch: 52692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52520

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/03/23 13:24	05/06/23 13:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/03/23 13:24	05/06/23 13:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/03/23 13:24	05/06/23 13:50	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/03/23 13:24	05/06/23 13:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/03/23 13:24	05/06/23 13:50	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/03/23 13:24	05/06/23 13:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/03/23 13:24	05/06/23 13:50	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/03/23 13:24	05/06/23 13:50	1

Lab Sample ID: MB 880-52602/5-A

Matrix: Solid

Analysis Batch: 52672

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52602

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 12:39	05/06/23 08:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 12:39	05/06/23 08:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 12:39	05/06/23 08:30	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/04/23 12:39	05/06/23 08:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 12:39	05/06/23 08:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/04/23 12:39	05/06/23 08:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130	05/04/23 12:39	05/06/23 08:30	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/04/23 12:39	05/06/23 08:30	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: MB 880-52619/5-A

Matrix: Solid

Analysis Batch: 52672

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52619

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 19:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 19:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 19:07	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/04/23 13:45	05/06/23 19:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:45	05/06/23 19:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/04/23 13:45	05/06/23 19:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	05/04/23 13:45	05/06/23 19:07	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/04/23 13:45	05/06/23 19:07	1

Lab Sample ID: LCS 880-52619/1-A

Matrix: Solid

Analysis Batch: 52672

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1003		mg/Kg		100	70 - 130
Toluene	0.100	0.09880		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1145		mg/Kg		115	70 - 130
m,p-Xylenes	0.200	0.2297		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1140		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-52619/2-A

Matrix: Solid

Analysis Batch: 52672

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52619

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1082		mg/Kg		108	70 - 130	8	35
Toluene	0.100	0.1019		mg/Kg		102	70 - 130	3	35
Ethylbenzene	0.100	0.09985		mg/Kg		100	70 - 130	14	35
m,p-Xylenes	0.200	0.1990		mg/Kg		99	70 - 130	14	35
o-Xylene	0.100	0.09818		mg/Kg		98	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-27940-1 MS

Matrix: Solid

Analysis Batch: 52672

Client Sample ID: CS-1

Prep Type: Total/NA

Prep Batch: 52619

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.0998	0.06987	F1	mg/Kg		69	70 - 130
Toluene	0.0511	F1	0.0998	0.1263		mg/Kg		75	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: 880-27940-1 MS

Matrix: Solid

Analysis Batch: 52672

Client Sample ID: CS-1

Prep Type: Total/NA

Prep Batch: 52619

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.0631	F1	0.0998	0.1102	F1	mg/Kg		47	70 - 130
m,p-Xylenes	0.381	F1	0.200	0.4758	F1	mg/Kg		48	70 - 130
o-Xylene	0.123	F1	0.0998	0.1788	F1	mg/Kg		56	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-27940-1 MSD

Matrix: Solid

Analysis Batch: 52672

Client Sample ID: CS-1

Prep Type: Total/NA

Prep Batch: 52619

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0990	0.07920		mg/Kg		79	70 - 130	13	35
Toluene	0.0511	F1	0.0990	0.1165	F1	mg/Kg		66	70 - 130	8	35
Ethylbenzene	0.0631	F1	0.0990	0.1146	F1	mg/Kg		52	70 - 130	4	35
m,p-Xylenes	0.381	F1	0.198	0.4113	F1	mg/Kg		15	70 - 130	15	35
o-Xylene	0.123	F1	0.0990	0.1613	F1	mg/Kg		39	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-52620/5-A

Matrix: Solid

Analysis Batch: 52693

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52620

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 08:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 08:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 08:40	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/04/23 13:47	05/07/23 08:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:47	05/07/23 08:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/04/23 13:47	05/07/23 08:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	05/04/23 13:47	05/07/23 08:40	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/04/23 13:47	05/07/23 08:40	1

Lab Sample ID: LCS 880-52620/1-A

Matrix: Solid

Analysis Batch: 52693

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52620

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1156		mg/Kg		116	70 - 130
Toluene	0.100	0.1150		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1007		mg/Kg		101	70 - 130
m,p-Xylenes	0.200	0.2047		mg/Kg		102	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: LCS 880-52620/1-A

Matrix: Solid

Analysis Batch: 52693

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52620

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1041		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-52620/2-A

Matrix: Solid

Analysis Batch: 52693

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52620

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1117		mg/Kg		112	70 - 130	3	35
Toluene	0.100	0.1136		mg/Kg		114	70 - 130	1	35
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130	0	35
m,p-Xylenes	0.200	0.2055		mg/Kg		103	70 - 130	0	35
o-Xylene	0.100	0.1042		mg/Kg		104	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-27940-21 MS

Matrix: Solid

Analysis Batch: 52693

Client Sample ID: CS-21

Prep Type: Total/NA

Prep Batch: 52620

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.1101		mg/Kg		110	70 - 130
Toluene	<0.00201	U F1	0.0998	0.1144		mg/Kg		115	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.1102		mg/Kg		110	70 - 130
m,p-Xylenes	<0.00402	U	0.200	0.2207		mg/Kg		110	70 - 130
o-Xylene	<0.00201	U	0.0998	0.1133		mg/Kg		114	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-27940-21 MSD

Matrix: Solid

Analysis Batch: 52693

Client Sample ID: CS-21

Prep Type: Total/NA

Prep Batch: 52620

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.1251		mg/Kg		126	70 - 130	13	35
Toluene	<0.00201	U F1	0.0990	0.1297	F1	mg/Kg		131	70 - 130	13	35
Ethylbenzene	<0.00201	U	0.0990	0.1194		mg/Kg		121	70 - 130	8	35
m,p-Xylenes	<0.00402	U	0.198	0.2390		mg/Kg		120	70 - 130	8	35
o-Xylene	<0.00201	U	0.0990	0.1224		mg/Kg		124	70 - 130	8	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: 880-27940-21 MSD

Matrix: Solid

Analysis Batch: 52693

Client Sample ID: CS-21

Prep Type: Total/NA

Prep Batch: 52620

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-52621/5-A

Matrix: Solid

Analysis Batch: 52692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52621

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 01:27	1	
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 01:27	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 01:27	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/04/23 13:48	05/07/23 01:27	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:48	05/07/23 01:27	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/04/23 13:48	05/07/23 01:27	1	
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			05/04/23 13:48	05/07/23 01:27	1	
1,4-Difluorobenzene (Surr)	101		70 - 130			05/04/23 13:48	05/07/23 01:27	1	

Lab Sample ID: LCS 880-52621/1-A

Matrix: Solid

Analysis Batch: 52692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52621

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.1265		mg/Kg		126	70 - 130		
Toluene	0.100	0.1135		mg/Kg		114	70 - 130		
Ethylbenzene	0.100	0.09755		mg/Kg		98	70 - 130		
m,p-Xylenes	0.200	0.2552		mg/Kg		128	70 - 130		
o-Xylene	0.100	0.1296		mg/Kg		130	70 - 130		
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	126		70 - 130						
1,4-Difluorobenzene (Surr)	96		70 - 130						

Lab Sample ID: LCSD 880-52621/2-A

Matrix: Solid

Analysis Batch: 52692

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52621

			Spike	LCSD	LCSD						RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.1359	*+	mg/Kg		136	70 - 130	7	35
Toluene			0.100	0.1086		mg/Kg		109	70 - 130	4	35
Ethylbenzene			0.100	0.08957		mg/Kg		90	70 - 130	9	35
m,p-Xylenes			0.200	0.2237		mg/Kg		112	70 - 130	13	35
o-Xylene			0.100	0.1105		mg/Kg		111	70 - 130	16	35
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: LCSD 880-52621/2-A

Matrix: Solid

Analysis Batch: 52692

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52621

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-27940-41 MS

Matrix: Solid

Analysis Batch: 52692

Client Sample ID: CS-41

Prep Type: Total/NA

Prep Batch: 52621

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00199	U **	0.0998	0.1079		mg/Kg		108	70 - 130
Toluene	<0.00199	U	0.0998	0.09930		mg/Kg		100	70 - 130
Ethylbenzene	<0.00199	U	0.0998	0.08639		mg/Kg		87	70 - 130
m,p-Xylenes	<0.00398	U	0.200	0.2132		mg/Kg		107	70 - 130
o-Xylene	<0.00199	U	0.0998	0.1071		mg/Kg		107	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-27940-41 MSD

Matrix: Solid

Analysis Batch: 52692

Client Sample ID: CS-41

Prep Type: Total/NA

Prep Batch: 52621

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U **	0.100	0.1045		mg/Kg		104	70 - 130	3	35
Toluene	<0.00199	U	0.100	0.08193		mg/Kg		82	70 - 130	19	35
Ethylbenzene	<0.00199	U	0.100	0.07649		mg/Kg		76	70 - 130	12	35
m,p-Xylenes	<0.00398	U	0.200	0.1951		mg/Kg		97	70 - 130	9	35
o-Xylene	<0.00199	U	0.100	0.1001		mg/Kg		100	70 - 130	7	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-52622/5-A

Matrix: Solid

Analysis Batch: 52828

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52622

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 15:41	1	
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 15:41	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 15:41	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/04/23 13:50	05/08/23 15:41	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:50	05/08/23 15:41	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/04/23 13:50	05/08/23 15:41	1	

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	96		70 - 130	05/04/23 13:50	05/08/23 15:41	1			
1,4-Difluorobenzene (Surr)	101		70 - 130	05/04/23 13:50	05/08/23 15:41	1			

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: LCS 880-52622/1-A

Matrix: Solid

Analysis Batch: 52828

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52622

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1257		mg/Kg		126	70 - 130
Toluene	0.100	0.1010		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1063		mg/Kg		106	70 - 130
m,p-Xylenes	0.200	0.2088		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1011		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-52622/2-A

Matrix: Solid

Analysis Batch: 52828

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52622

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1115		mg/Kg		111	70 - 130	12	35
Toluene	0.100	0.08939		mg/Kg		89	70 - 130	12	35
Ethylbenzene	0.100	0.09067		mg/Kg		91	70 - 130	16	35
m,p-Xylenes	0.200	0.1802		mg/Kg		90	70 - 130	15	35
o-Xylene	0.100	0.08884		mg/Kg		89	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-27940-61 MS

Matrix: Solid

Analysis Batch: 52828

Client Sample ID: CS-61

Prep Type: Total/NA

Prep Batch: 52622

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.1200		mg/Kg		120	70 - 130
Toluene	<0.00199	U	0.0998	0.09286		mg/Kg		92	70 - 130
Ethylbenzene	<0.00199	U	0.0998	0.08940		mg/Kg		90	70 - 130
m,p-Xylenes	<0.00398	U	0.200	0.1728		mg/Kg		87	70 - 130
o-Xylene	<0.00199	U	0.0998	0.08384		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-27940-61 MSD

Matrix: Solid

Analysis Batch: 52828

Client Sample ID: CS-61

Prep Type: Total/NA

Prep Batch: 52622

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	0.1183		mg/Kg		118	70 - 130	1	35
Toluene	<0.00199	U	0.100	0.09586		mg/Kg		95	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.100	0.09421		mg/Kg		94	70 - 130	5	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: 880-27940-61 MSD

Matrix: Solid

Analysis Batch: 52828

Client Sample ID: CS-61

Prep Type: Total/NA

Prep Batch: 52622

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	<0.00398	U	0.201	0.1845		mg/Kg		92	70 - 130	7	35
o-Xylene	<0.00199	U	0.100	0.09003		mg/Kg		90	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-52630/5-A

Matrix: Solid

Analysis Batch: 52672

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52630

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 14:42	05/05/23 10:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 14:42	05/05/23 10:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 14:42	05/05/23 10:51	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/04/23 14:42	05/05/23 10:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 14:42	05/05/23 10:51	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/04/23 14:42	05/05/23 10:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	05/04/23 14:42	05/05/23 10:51	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/04/23 14:42	05/05/23 10:51	1

Lab Sample ID: LCS 880-52630/1-A

Matrix: Solid

Analysis Batch: 52672

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1286		mg/Kg		129	70 - 130
Toluene	0.100	0.1129		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1083		mg/Kg		108	70 - 130
m,p-Xylenes	0.200	0.2229		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1085		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-52630/2-A

Matrix: Solid

Analysis Batch: 52672

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52630

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1500	*+	mg/Kg		150	70 - 130	15	35
Toluene	0.100	0.1254		mg/Kg		125	70 - 130	10	35
Ethylbenzene	0.100	0.1254		mg/Kg		125	70 - 130	15	35
m,p-Xylenes	0.200	0.2540		mg/Kg		127	70 - 130	13	35
o-Xylene	0.100	0.1242		mg/Kg		124	70 - 130	13	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-27940-81 MS

Matrix: Solid

Analysis Batch: 52672

Client Sample ID: CS-81

Prep Type: Total/NA

Prep Batch: 52630

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U *	0.0998	0.09348		mg/Kg		94	70 - 130	
Toluene	<0.00200	U	0.0998	0.09512		mg/Kg		95	70 - 130	
Ethylbenzene	<0.00200	U	0.0998	0.09897		mg/Kg		99	70 - 130	
m,p-Xylenes	<0.00401	U	0.200	0.1925		mg/Kg		96	70 - 130	
o-Xylene	<0.00200	U	0.0998	0.09650		mg/Kg		97	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-27940-81 MSD

Matrix: Solid

Analysis Batch: 52672

Client Sample ID: CS-81

Prep Type: Total/NA

Prep Batch: 52630

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00200	U *	0.100	0.1057		mg/Kg		106	70 - 130	12	35	
Toluene	<0.00200	U	0.100	0.1033		mg/Kg		103	70 - 130	8	35	
Ethylbenzene	<0.00200	U	0.100	0.1094		mg/Kg		109	70 - 130	10	35	
m,p-Xylenes	<0.00401	U	0.200	0.2241		mg/Kg		112	70 - 130	15	35	
o-Xylene	<0.00200	U	0.100	0.1126		mg/Kg		112	70 - 130	15	35	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: MB 880-52673/5-A

Matrix: Solid

Analysis Batch: 52692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52673

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	<0.00200	U	0.00200	mg/Kg		05/05/23 09:47	05/05/23 14:17	1		
Toluene	<0.00200	U	0.00200	mg/Kg		05/05/23 09:47	05/05/23 14:17	1		
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/05/23 09:47	05/05/23 14:17	1		
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/05/23 09:47	05/05/23 14:17	1		
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/05/23 09:47	05/05/23 14:17	1		
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/05/23 09:47	05/05/23 14:17	1		

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
4-Bromofluorobenzene (Surr)	102		70 - 130	05/05/23 09:47	05/05/23 14:17	1				
1,4-Difluorobenzene (Surr)	105		70 - 130	05/05/23 09:47	05/05/23 14:17	1				

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: LCS 880-52673/1-A

Matrix: Solid

Analysis Batch: 52692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52673

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1186		mg/Kg		119	70 - 130
Toluene	0.100	0.1120		mg/Kg		112	70 - 130
Ethylbenzene	0.100	0.1051		mg/Kg		105	70 - 130
m,p-Xylenes	0.200	0.2075		mg/Kg		104	70 - 130
o-Xylene	0.100	0.09646		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-52673/2-A

Matrix: Solid

Analysis Batch: 52692

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52673

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1318	*+	mg/Kg		132	70 - 130	11	35
Toluene	0.100	0.1133		mg/Kg		113	70 - 130	1	35
Ethylbenzene	0.100	0.1114		mg/Kg		111	70 - 130	6	35
m,p-Xylenes	0.200	0.2239		mg/Kg		112	70 - 130	8	35
o-Xylene	0.100	0.1054		mg/Kg		105	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-52719/1-A

Matrix: Solid

Analysis Batch: 52784

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52719

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		05/05/23 14:36	05/07/23 09:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 09:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:36	05/07/23 09:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	140	S1+	70 - 130	05/05/23 14:36	05/07/23 09:44	1
o-Terphenyl (Surr)	158	S1+	70 - 130	05/05/23 14:36	05/07/23 09:44	1

Lab Sample ID: LCS 880-52719/2-A

Matrix: Solid

Analysis Batch: 52784

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	863.9		mg/Kg		86	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: LCS 880-52719/2-A

Matrix: Solid

Analysis Batch: 52784

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52719

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier				Limits		
Diesel Range Organics (Over C10-C28)			1000	895.1		mg/Kg		90	70 - 130		
Surrogate	LCS		Limits								
	%Recovery	Qualifier									
1-Chlorooctane (Surr)	126		70 - 130								
o-Terphenyl (Surr)	120		70 - 130								

Lab Sample ID: LCSD 880-52719/3-A

Matrix: Solid

Analysis Batch: 52784

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52719

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Gasoline Range Organics (GRO)-C6-C10			1000	946.0		mg/Kg		95	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	909.5		mg/Kg		91	70 - 130	2	20
				LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	119		70 - 130								
o-Terphenyl (Surr)	115		70 - 130								

Lab Sample ID: 880-27940-1 MS

Matrix: Solid

Analysis Batch: 52784

Client Sample ID: CS-1

Prep Type: Total/NA

Prep Batch: 52719

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	66.4		1000	922.6		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	674	F1	1000	963.3	F1	mg/Kg		29	70 - 130		

Lab Sample ID: 880-27940-1 MSD

Matrix: Solid

Analysis Batch: 52784

Client Sample ID: CS-1

Prep Type: Total/NA

Prep Batch: 52719

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	66.4		997	921.4		mg/Kg		86	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	674	F1	997	967.5	F1	mg/Kg		29	70 - 130	0	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: MB 880-52720/1-A

Matrix: Solid

Analysis Batch: 52786

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52720

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		05/05/23 14:38	05/07/23 09:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 09:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 14:38	05/07/23 09:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	185	S1+	70 - 130			05/05/23 14:38	05/07/23 09:44	1
o-Terphenyl (Surr)	231	S1+	70 - 130			05/05/23 14:38	05/07/23 09:44	1

Lab Sample ID: LCS 880-52720/2-A

Matrix: Solid

Analysis Batch: 52786

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52720

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1028		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1162		mg/Kg		116	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	140	S1+	70 - 130				
o-Terphenyl (Surr)	155	S1+	70 - 130				

Lab Sample ID: LCSD 880-52720/3-A

Matrix: Solid

Analysis Batch: 52786

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52720

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1021		mg/Kg		102	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1133		mg/Kg		113	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	129		70 - 130						
o-Terphenyl (Surr)	142	S1+	70 - 130						

Lab Sample ID: 880-27940-21 MS

Matrix: Solid

Analysis Batch: 52786

Client Sample ID: CS-21

Prep Type: Total/NA

Prep Batch: 52720

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	1002		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1137		mg/Kg		112	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: 880-27940-21 MS

Matrix: Solid

Analysis Batch: 52786

Client Sample ID: CS-21

Prep Type: Total/NA

Prep Batch: 52720

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	114		70 - 130
o-Terphenyl (Surr)	115		70 - 130

Lab Sample ID: 880-27940-21 MSD

Matrix: Solid

Analysis Batch: 52786

Client Sample ID: CS-21

Prep Type: Total/NA

Prep Batch: 52720

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	997	986.4		mg/Kg		96	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1104		mg/Kg		109	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	112		70 - 130
o-Terphenyl (Surr)	110		70 - 130

Lab Sample ID: MB 880-52749/1-A

Matrix: Solid

Analysis Batch: 52782

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52749

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		05/05/23 17:08	05/07/23 09:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/05/23 17:08	05/07/23 09:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/05/23 17:08	05/07/23 09:34	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	175	S1+	70 - 130	05/05/23 17:08	05/07/23 09:34	1
o-Terphenyl (Surr)	200	S1+	70 - 130	05/05/23 17:08	05/07/23 09:34	1

Lab Sample ID: LCS 880-52749/2-A

Matrix: Solid

Analysis Batch: 52782

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52749

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1083		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1108		mg/Kg		111	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	143	S1+	70 - 130
o-Terphenyl (Surr)	145	S1+	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: LCSD 880-52749/3-A

Matrix: Solid

Analysis Batch: 52782

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52749

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	843.6	*1	mg/Kg		84	70 - 130	25	20
Diesel Range Organics (Over C10-C28)	1000	848.3	*1	mg/Kg		85	70 - 130	27	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	102		70 - 130						
o-Terphenyl (Surr)	112		70 - 130						

Lab Sample ID: 880-27940-41 MS

Matrix: Solid

Analysis Batch: 52782

Client Sample ID: CS-41

Prep Type: Total/NA

Prep Batch: 52749

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	997	968.5		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *1	997	950.6		mg/Kg		94	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	112		70 - 130								
o-Terphenyl (Surr)	108		70 - 130								

Lab Sample ID: 880-27940-41 MSD

Matrix: Solid

Analysis Batch: 52782

Client Sample ID: CS-41

Prep Type: Total/NA

Prep Batch: 52749

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	999	935.5		mg/Kg		90	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U *1	999	966.1		mg/Kg		95	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	115		70 - 130								
o-Terphenyl (Surr)	110		70 - 130								

Lab Sample ID: MB 880-52800/1-A

Matrix: Solid

Analysis Batch: 52999

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52800

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		05/08/23 08:53	05/10/23 22:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/10/23 22:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/23 08:53	05/10/23 22:44	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: MB 880-52800/1-A

Matrix: Solid

Analysis Batch: 52999

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52800

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	05/08/23 08:53	05/10/23 22:44	1
o-Terphenyl (Surr)	155	S1+	70 - 130	05/08/23 08:53	05/10/23 22:44	1

Lab Sample ID: LCS 880-52800/2-A

Matrix: Solid

Analysis Batch: 52999

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52800

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	846.7		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	801.4		mg/Kg		80	70 - 130		

	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	95		70 - 130			
o-Terphenyl (Surr)	116		70 - 130			

Lab Sample ID: LCSD 880-52800/3-A

Matrix: Solid

Analysis Batch: 52999

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52800

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	882.7		mg/Kg		88	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)			1000	776.0		mg/Kg		78	70 - 130	3	20	

	LCSD	LCSD				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	89		70 - 130			
o-Terphenyl (Surr)	114		70 - 130			

Lab Sample ID: 880-27940-61 MS

Matrix: Solid

Analysis Batch: 52999

Client Sample ID: CS-61

Prep Type: Total/NA

Prep Batch: 52800

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	999	1136		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1069		mg/Kg		105	70 - 130		

	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	118		70 - 130			
o-Terphenyl (Surr)	128		70 - 130			

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: 880-27940-61 MSD

Matrix: Solid

Analysis Batch: 52999

Client Sample ID: CS-61

Prep Type: Total/NA

Prep Batch: 52800

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	1000	901.0	F2	mg/Kg		86	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	970.1		mg/Kg		95	70 - 130	10	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	107		70 - 130								
o-Terphenyl (Surr)	117		70 - 130								

Lab Sample ID: MB 880-53015/1-A

Matrix: Solid

Analysis Batch: 52997

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53015

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		05/10/23 08:09	05/10/23 09:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/10/23 08:09	05/10/23 09:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/10/23 08:09	05/10/23 09:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	137	S1+	70 - 130			05/10/23 08:09	05/10/23 09:04	1
o-Terphenyl (Surr)	110		70 - 130			05/10/23 08:09	05/10/23 09:04	1

Lab Sample ID: LCS 880-53015/2-A

Matrix: Solid

Analysis Batch: 52997

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53015

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	982.4		mg/Kg		98	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1028		mg/Kg		103	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
1-Chlorooctane (Surr)	106		70 - 130					
o-Terphenyl (Surr)	82		70 - 130					

Lab Sample ID: LCSD 880-53015/3-A

Matrix: Solid

Analysis Batch: 52997

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53015

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1012		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1085		mg/Kg		109	70 - 130	5	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

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

Lab Sample ID: LCSD 880-53015/3-A
Matrix: Solid
Analysis Batch: 52997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53015

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	91		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-52844/1-A
Matrix: Solid
Analysis Batch: 53029

Client Sample ID: Method Blank
Prep Type: Soluble

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00	mg/Kg			05/10/23 15:00		1

Lab Sample ID: LCS 880-52844/2-A
Matrix: Solid
Analysis Batch: 53029

Client Sample ID: Lab Control Sample
Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	257.7		mg/Kg		103	90 - 110	

Lab Sample ID: LCSD 880-52844/3-A
Matrix: Solid
Analysis Batch: 53029

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

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	255.8		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-27940-1 MS
Matrix: Solid
Analysis Batch: 53029

Client Sample ID: CS-1
Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	3140	F1	1240	4673	F1	mg/Kg		124	90 - 110	

Lab Sample ID: 880-27940-1 MSD
Matrix: Solid
Analysis Batch: 53029

Client Sample ID: CS-1
Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	3140	F1	1240	4668	F1	mg/Kg		124	90 - 110	0	20

Lab Sample ID: 880-27940-11 MS
Matrix: Solid
Analysis Batch: 53029

Client Sample ID: CS-11
Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	342		249	585.3		mg/Kg		98	90 - 110	

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-27940-11 MSD

Matrix: Solid

Analysis Batch: 53029

Client Sample ID: CS-11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	342		249	579.6		mg/Kg		96	90 - 110	1	20

Lab Sample ID: MB 880-52848/1-A

Matrix: Solid

Analysis Batch: 53032

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.955		5.00	mg/Kg			05/09/23 15:59	1

Lab Sample ID: LCS 880-52848/2-A

Matrix: Solid

Analysis Batch: 53032

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.9		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-52848/3-A

Matrix: Solid

Analysis Batch: 53032

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	270.6		mg/Kg		108	90 - 110	6	20

Lab Sample ID: 880-27940-81 MS

Matrix: Solid

Analysis Batch: 53032

Client Sample ID: CS-81

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	259	B	251	495.8		mg/Kg		94	90 - 110

Lab Sample ID: 880-27940-81 MSD

Matrix: Solid

Analysis Batch: 53032

Client Sample ID: CS-81

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	259	B	251	508.9		mg/Kg		100	90 - 110	3	20

Lab Sample ID: MB 880-52845/1-A

Matrix: Solid

Analysis Batch: 53035

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			05/10/23 02:08	1

Lab Sample ID: LCS 880-52845/2-A

Matrix: Solid

Analysis Batch: 53035

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.1		mg/Kg		104	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-52845/3-A

Matrix: Solid

Analysis Batch: 53035

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	272.4		mg/Kg		109	90 - 110	5	20

Lab Sample ID: 880-27940-21 MS

Matrix: Solid

Analysis Batch: 53035

Client Sample ID: CS-21

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	904	F1	250	1108	F1	mg/Kg		82	90 - 110		

Lab Sample ID: 880-27940-21 MSD

Matrix: Solid

Analysis Batch: 53035

Client Sample ID: CS-21

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	904	F1	250	1126	F1	mg/Kg		89	90 - 110	2	20

Lab Sample ID: 880-27940-31 MS

Matrix: Solid

Analysis Batch: 53035

Client Sample ID: CS-31

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	880	F1	250	1099	F1	mg/Kg		88	90 - 110		

Lab Sample ID: 880-27940-31 MSD

Matrix: Solid

Analysis Batch: 53035

Client Sample ID: CS-31

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	880	F1	250	1115		mg/Kg		94	90 - 110	1	20

Lab Sample ID: MB 880-52846/1-A

Matrix: Solid

Analysis Batch: 53039

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			05/09/23 23:52	1

Lab Sample ID: LCS 880-52846/2-A

Matrix: Solid

Analysis Batch: 53039

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	223.5	*-	mg/Kg		89	90 - 110		

Lab Sample ID: LCSD 880-52846/3-A

Matrix: Solid

Analysis Batch: 53039

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	224.3		mg/Kg		90	90 - 110	0	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-27940-41 MS

Matrix: Solid

Analysis Batch: 53039

Client Sample ID: CS-41

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	114	*-	251	363.7		mg/Kg		100	90 - 110		

Lab Sample ID: 880-27940-41 MSD

Matrix: Solid

Analysis Batch: 53039

Client Sample ID: CS-41

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	114	*-	251	367.1		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-27940-51 MS

Matrix: Solid

Analysis Batch: 53039

Client Sample ID: CS-51

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	183	*-	248	408.3		mg/Kg		91	90 - 110		

Lab Sample ID: 880-27940-51 MSD

Matrix: Solid

Analysis Batch: 53039

Client Sample ID: CS-51

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	183	*-	248	420.6		mg/Kg		96	90 - 110	3	20

Lab Sample ID: MB 880-52847/1-A

Matrix: Solid

Analysis Batch: 53040

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			05/10/23 03:00	1

Lab Sample ID: LCS 880-52847/2-A

Matrix: Solid

Analysis Batch: 53040

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	238.4		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-52847/3-A

Matrix: Solid

Analysis Batch: 53040

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	237.6		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-27940-61 MS

Matrix: Solid

Analysis Batch: 53040

Client Sample ID: CS-61

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	274		249	516.9		mg/Kg		97	90 - 110		

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-27940-61 MSD										Client Sample ID: CS-61		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 53040												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	274		249	519.4		mg/Kg		98	90 - 110	0	20	

Lab Sample ID: 880-27940-71 MS										Client Sample ID: CS-71		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 53040												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	715	F1	250	929.1	F1	mg/Kg		86	90 - 110			

Lab Sample ID: 880-27940-71 MSD										Client Sample ID: CS-71		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 53040												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	715	F1	250	930.1	F1	mg/Kg		86	90 - 110	0	20	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC VOA

Prep Batch: 52519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-52519/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 52520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-52520/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 52602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-52602/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 52619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-1	CS-1	Total/NA	Solid	5035	
880-27940-2	CS-2	Total/NA	Solid	5035	
880-27940-3	CS-3	Total/NA	Solid	5035	
880-27940-4	CS-4	Total/NA	Solid	5035	
880-27940-5	CS-5	Total/NA	Solid	5035	
880-27940-6	CS-6	Total/NA	Solid	5035	
880-27940-7	CS-7	Total/NA	Solid	5035	
880-27940-8	CS-8	Total/NA	Solid	5035	
880-27940-9	CS-9	Total/NA	Solid	5035	
880-27940-10	CS-10	Total/NA	Solid	5035	
880-27940-11	CS-11	Total/NA	Solid	5035	
880-27940-12	CS-12	Total/NA	Solid	5035	
880-27940-13	CS-13	Total/NA	Solid	5035	
880-27940-14	CS-14	Total/NA	Solid	5035	
880-27940-15	CS-15	Total/NA	Solid	5035	
880-27940-16	CS-16	Total/NA	Solid	5035	
880-27940-17	CS-17	Total/NA	Solid	5035	
880-27940-18	CS-18	Total/NA	Solid	5035	
880-27940-19	CS-19	Total/NA	Solid	5035	
880-27940-20	CS-20	Total/NA	Solid	5035	
MB 880-52619/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52619/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52619/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27940-1 MS	CS-1	Total/NA	Solid	5035	
880-27940-1 MSD	CS-1	Total/NA	Solid	5035	

Prep Batch: 52620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-21	CS-21	Total/NA	Solid	5035	
880-27940-22	CS-22	Total/NA	Solid	5035	
880-27940-23	CS-23	Total/NA	Solid	5035	
880-27940-24	CS-24	Total/NA	Solid	5035	
880-27940-25	CS-25	Total/NA	Solid	5035	
880-27940-26	CS-26	Total/NA	Solid	5035	
880-27940-27	CS-27	Total/NA	Solid	5035	
880-27940-28	CS-28	Total/NA	Solid	5035	
880-27940-29	CS-29	Total/NA	Solid	5035	
880-27940-30	CS-30	Total/NA	Solid	5035	
880-27940-31	CS-31	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC VOA (Continued)

Prep Batch: 52620 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-32	CS-32	Total/NA	Solid	5035	
880-27940-33	CS-33	Total/NA	Solid	5035	
880-27940-34	CS-34	Total/NA	Solid	5035	
880-27940-35	CS-35	Total/NA	Solid	5035	
880-27940-36	CS-36	Total/NA	Solid	5035	
880-27940-37	CS-37	Total/NA	Solid	5035	
880-27940-38	CS-38	Total/NA	Solid	5035	
880-27940-39	CS-39	Total/NA	Solid	5035	
880-27940-40	CS-40	Total/NA	Solid	5035	
MB 880-52620/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52620/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52620/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27940-21 MS	CS-21	Total/NA	Solid	5035	
880-27940-21 MSD	CS-21	Total/NA	Solid	5035	

Prep Batch: 52621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-41	CS-41	Total/NA	Solid	5035	
880-27940-42	CS-42	Total/NA	Solid	5035	
880-27940-43	CS-43	Total/NA	Solid	5035	
880-27940-44	CS-44	Total/NA	Solid	5035	
880-27940-45	CS-45	Total/NA	Solid	5035	
880-27940-46	CS-46	Total/NA	Solid	5035	
880-27940-47	CS-47	Total/NA	Solid	5035	
880-27940-48	CS-48	Total/NA	Solid	5035	
880-27940-49	CS-49	Total/NA	Solid	5035	
880-27940-50	CS-50	Total/NA	Solid	5035	
880-27940-51	CS-51	Total/NA	Solid	5035	
880-27940-52	CS-52	Total/NA	Solid	5035	
880-27940-53	CS-53	Total/NA	Solid	5035	
880-27940-54	CS-54	Total/NA	Solid	5035	
880-27940-55	CS-55	Total/NA	Solid	5035	
880-27940-56	CS-56	Total/NA	Solid	5035	
880-27940-57	CS-57	Total/NA	Solid	5035	
880-27940-58	CS-58	Total/NA	Solid	5035	
880-27940-59	CS-59	Total/NA	Solid	5035	
880-27940-60	CS-60	Total/NA	Solid	5035	
MB 880-52621/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52621/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52621/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27940-41 MS	CS-41	Total/NA	Solid	5035	
880-27940-41 MSD	CS-41	Total/NA	Solid	5035	

Prep Batch: 52622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-61	CS-61	Total/NA	Solid	5035	
880-27940-62	CS-62	Total/NA	Solid	5035	
880-27940-63	CS-63	Total/NA	Solid	5035	
880-27940-64	CS-64	Total/NA	Solid	5035	
880-27940-65	CS-65	Total/NA	Solid	5035	
880-27940-66	CS-66	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC VOA (Continued)

Prep Batch: 52622 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-67	CS-67	Total/NA	Solid	5035	
880-27940-68	CS-68	Total/NA	Solid	5035	
880-27940-69	CS-69	Total/NA	Solid	5035	
880-27940-70	CS-70	Total/NA	Solid	5035	
880-27940-71	CS-71	Total/NA	Solid	5035	
880-27940-72	CS-72	Total/NA	Solid	5035	
880-27940-73	CS-73	Total/NA	Solid	5035	
880-27940-74	CS-74	Total/NA	Solid	5035	
880-27940-75	CS-75	Total/NA	Solid	5035	
880-27940-76	CS-76	Total/NA	Solid	5035	
880-27940-77	CS-77	Total/NA	Solid	5035	
880-27940-78	CS-78	Total/NA	Solid	5035	
880-27940-79	CS-79	Total/NA	Solid	5035	
880-27940-80	CS-80	Total/NA	Solid	5035	
MB 880-52622/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52622/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52622/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27940-61 MS	CS-61	Total/NA	Solid	5035	
880-27940-61 MSD	CS-61	Total/NA	Solid	5035	

Prep Batch: 52630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-81	CS-81	Total/NA	Solid	5035	
880-27940-82	CS-82	Total/NA	Solid	5035	
MB 880-52630/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52630/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52630/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27940-81 MS	CS-81	Total/NA	Solid	5035	
880-27940-81 MSD	CS-81	Total/NA	Solid	5035	

Analysis Batch: 52672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-1	CS-1	Total/NA	Solid	8021B	52619
880-27940-2	CS-2	Total/NA	Solid	8021B	52619
880-27940-3	CS-3	Total/NA	Solid	8021B	52619
880-27940-4	CS-4	Total/NA	Solid	8021B	52619
880-27940-5	CS-5	Total/NA	Solid	8021B	52619
880-27940-6	CS-6	Total/NA	Solid	8021B	52619
880-27940-7	CS-7	Total/NA	Solid	8021B	52619
880-27940-8	CS-8	Total/NA	Solid	8021B	52619
880-27940-9	CS-9	Total/NA	Solid	8021B	52619
880-27940-10	CS-10	Total/NA	Solid	8021B	52619
880-27940-11	CS-11	Total/NA	Solid	8021B	52619
880-27940-12	CS-12	Total/NA	Solid	8021B	52619
880-27940-13	CS-13	Total/NA	Solid	8021B	52619
880-27940-14	CS-14	Total/NA	Solid	8021B	52619
880-27940-15	CS-15	Total/NA	Solid	8021B	52619
880-27940-16	CS-16	Total/NA	Solid	8021B	52619
880-27940-17	CS-17	Total/NA	Solid	8021B	52619
880-27940-18	CS-18	Total/NA	Solid	8021B	52619
880-27940-19	CS-19	Total/NA	Solid	8021B	52619

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC VOA (Continued)

Analysis Batch: 52672 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-20	CS-20	Total/NA	Solid	8021B	52619
880-27940-81	CS-81	Total/NA	Solid	8021B	52630
880-27940-82	CS-82	Total/NA	Solid	8021B	52630
MB 880-52602/5-A	Method Blank	Total/NA	Solid	8021B	52602
MB 880-52619/5-A	Method Blank	Total/NA	Solid	8021B	52619
MB 880-52630/5-A	Method Blank	Total/NA	Solid	8021B	52630
LCS 880-52619/1-A	Lab Control Sample	Total/NA	Solid	8021B	52619
LCS 880-52630/1-A	Lab Control Sample	Total/NA	Solid	8021B	52630
LCSD 880-52619/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52619
LCSD 880-52630/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52630
880-27940-1 MS	CS-1	Total/NA	Solid	8021B	52619
880-27940-1 MSD	CS-1	Total/NA	Solid	8021B	52619
880-27940-81 MS	CS-81	Total/NA	Solid	8021B	52630
880-27940-81 MSD	CS-81	Total/NA	Solid	8021B	52630

Prep Batch: 52673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-83	CS-83	Total/NA	Solid	5035	
MB 880-52673/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52673/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52673/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 52692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-41	CS-41	Total/NA	Solid	8021B	52621
880-27940-42	CS-42	Total/NA	Solid	8021B	52621
880-27940-43	CS-43	Total/NA	Solid	8021B	52621
880-27940-44	CS-44	Total/NA	Solid	8021B	52621
880-27940-45	CS-45	Total/NA	Solid	8021B	52621
880-27940-46	CS-46	Total/NA	Solid	8021B	52621
880-27940-47	CS-47	Total/NA	Solid	8021B	52621
880-27940-48	CS-48	Total/NA	Solid	8021B	52621
880-27940-49	CS-49	Total/NA	Solid	8021B	52621
880-27940-50	CS-50	Total/NA	Solid	8021B	52621
880-27940-51	CS-51	Total/NA	Solid	8021B	52621
880-27940-52	CS-52	Total/NA	Solid	8021B	52621
880-27940-53	CS-53	Total/NA	Solid	8021B	52621
880-27940-54	CS-54	Total/NA	Solid	8021B	52621
880-27940-55	CS-55	Total/NA	Solid	8021B	52621
880-27940-56	CS-56	Total/NA	Solid	8021B	52621
880-27940-57	CS-57	Total/NA	Solid	8021B	52621
880-27940-58	CS-58	Total/NA	Solid	8021B	52621
880-27940-59	CS-59	Total/NA	Solid	8021B	52621
880-27940-60	CS-60	Total/NA	Solid	8021B	52621
880-27940-83	CS-83	Total/NA	Solid	8021B	52673
MB 880-52520/5-A	Method Blank	Total/NA	Solid	8021B	52520
MB 880-52621/5-A	Method Blank	Total/NA	Solid	8021B	52621
MB 880-52673/5-A	Method Blank	Total/NA	Solid	8021B	52673
LCS 880-52621/1-A	Lab Control Sample	Total/NA	Solid	8021B	52621
LCS 880-52673/1-A	Lab Control Sample	Total/NA	Solid	8021B	52673
LCSD 880-52621/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52621

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC VOA (Continued)

Analysis Batch: 52692 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-52673/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52673
880-27940-41 MS	CS-41	Total/NA	Solid	8021B	52621
880-27940-41 MSD	CS-41	Total/NA	Solid	8021B	52621

Analysis Batch: 52693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-21	CS-21	Total/NA	Solid	8021B	52620
880-27940-22	CS-22	Total/NA	Solid	8021B	52620
880-27940-23	CS-23	Total/NA	Solid	8021B	52620
880-27940-24	CS-24	Total/NA	Solid	8021B	52620
880-27940-25	CS-25	Total/NA	Solid	8021B	52620
880-27940-26	CS-26	Total/NA	Solid	8021B	52620
880-27940-27	CS-27	Total/NA	Solid	8021B	52620
880-27940-28	CS-28	Total/NA	Solid	8021B	52620
880-27940-29	CS-29	Total/NA	Solid	8021B	52620
880-27940-30	CS-30	Total/NA	Solid	8021B	52620
880-27940-31	CS-31	Total/NA	Solid	8021B	52620
880-27940-32	CS-32	Total/NA	Solid	8021B	52620
880-27940-33	CS-33	Total/NA	Solid	8021B	52620
880-27940-34	CS-34	Total/NA	Solid	8021B	52620
880-27940-35	CS-35	Total/NA	Solid	8021B	52620
880-27940-36	CS-36	Total/NA	Solid	8021B	52620
880-27940-37	CS-37	Total/NA	Solid	8021B	52620
880-27940-38	CS-38	Total/NA	Solid	8021B	52620
880-27940-39	CS-39	Total/NA	Solid	8021B	52620
880-27940-40	CS-40	Total/NA	Solid	8021B	52620
MB 880-52519/5-A	Method Blank	Total/NA	Solid	8021B	52519
MB 880-52620/5-A	Method Blank	Total/NA	Solid	8021B	52620
LCS 880-52620/1-A	Lab Control Sample	Total/NA	Solid	8021B	52620
LCSD 880-52620/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52620
880-27940-21 MS	CS-21	Total/NA	Solid	8021B	52620
880-27940-21 MSD	CS-21	Total/NA	Solid	8021B	52620

Analysis Batch: 52828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-61	CS-61	Total/NA	Solid	8021B	52622
880-27940-62	CS-62	Total/NA	Solid	8021B	52622
880-27940-63	CS-63	Total/NA	Solid	8021B	52622
880-27940-64	CS-64	Total/NA	Solid	8021B	52622
880-27940-65	CS-65	Total/NA	Solid	8021B	52622
880-27940-66	CS-66	Total/NA	Solid	8021B	52622
880-27940-67	CS-67	Total/NA	Solid	8021B	52622
880-27940-68	CS-68	Total/NA	Solid	8021B	52622
880-27940-69	CS-69	Total/NA	Solid	8021B	52622
880-27940-70	CS-70	Total/NA	Solid	8021B	52622
880-27940-71	CS-71	Total/NA	Solid	8021B	52622
880-27940-72	CS-72	Total/NA	Solid	8021B	52622
880-27940-73	CS-73	Total/NA	Solid	8021B	52622
880-27940-74	CS-74	Total/NA	Solid	8021B	52622
880-27940-75	CS-75	Total/NA	Solid	8021B	52622
880-27940-76	CS-76	Total/NA	Solid	8021B	52622

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC VOA (Continued)

Analysis Batch: 52828 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-77	CS-77	Total/NA	Solid	8021B	52622
880-27940-78	CS-78	Total/NA	Solid	8021B	52622
880-27940-79	CS-79	Total/NA	Solid	8021B	52622
880-27940-80	CS-80	Total/NA	Solid	8021B	52622
MB 880-52622/5-A	Method Blank	Total/NA	Solid	8021B	52622
LCS 880-52622/1-A	Lab Control Sample	Total/NA	Solid	8021B	52622
LCSD 880-52622/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52622
880-27940-61 MS	CS-61	Total/NA	Solid	8021B	52622
880-27940-61 MSD	CS-61	Total/NA	Solid	8021B	52622

Analysis Batch: 52857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-1	CS-1	Total/NA	Solid	Total BTEX	
880-27940-2	CS-2	Total/NA	Solid	Total BTEX	
880-27940-3	CS-3	Total/NA	Solid	Total BTEX	
880-27940-4	CS-4	Total/NA	Solid	Total BTEX	
880-27940-5	CS-5	Total/NA	Solid	Total BTEX	
880-27940-6	CS-6	Total/NA	Solid	Total BTEX	
880-27940-7	CS-7	Total/NA	Solid	Total BTEX	
880-27940-8	CS-8	Total/NA	Solid	Total BTEX	
880-27940-9	CS-9	Total/NA	Solid	Total BTEX	
880-27940-10	CS-10	Total/NA	Solid	Total BTEX	
880-27940-11	CS-11	Total/NA	Solid	Total BTEX	
880-27940-12	CS-12	Total/NA	Solid	Total BTEX	
880-27940-13	CS-13	Total/NA	Solid	Total BTEX	
880-27940-14	CS-14	Total/NA	Solid	Total BTEX	
880-27940-15	CS-15	Total/NA	Solid	Total BTEX	
880-27940-16	CS-16	Total/NA	Solid	Total BTEX	
880-27940-17	CS-17	Total/NA	Solid	Total BTEX	
880-27940-18	CS-18	Total/NA	Solid	Total BTEX	
880-27940-19	CS-19	Total/NA	Solid	Total BTEX	
880-27940-20	CS-20	Total/NA	Solid	Total BTEX	
880-27940-21	CS-21	Total/NA	Solid	Total BTEX	
880-27940-22	CS-22	Total/NA	Solid	Total BTEX	
880-27940-23	CS-23	Total/NA	Solid	Total BTEX	
880-27940-24	CS-24	Total/NA	Solid	Total BTEX	
880-27940-25	CS-25	Total/NA	Solid	Total BTEX	
880-27940-26	CS-26	Total/NA	Solid	Total BTEX	
880-27940-27	CS-27	Total/NA	Solid	Total BTEX	
880-27940-28	CS-28	Total/NA	Solid	Total BTEX	
880-27940-29	CS-29	Total/NA	Solid	Total BTEX	
880-27940-30	CS-30	Total/NA	Solid	Total BTEX	
880-27940-31	CS-31	Total/NA	Solid	Total BTEX	
880-27940-32	CS-32	Total/NA	Solid	Total BTEX	
880-27940-33	CS-33	Total/NA	Solid	Total BTEX	
880-27940-34	CS-34	Total/NA	Solid	Total BTEX	
880-27940-35	CS-35	Total/NA	Solid	Total BTEX	
880-27940-36	CS-36	Total/NA	Solid	Total BTEX	
880-27940-37	CS-37	Total/NA	Solid	Total BTEX	
880-27940-38	CS-38	Total/NA	Solid	Total BTEX	
880-27940-39	CS-39	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC VOA (Continued)

Analysis Batch: 52857 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-40	CS-40	Total/NA	Solid	Total BTEX	
880-27940-41	CS-41	Total/NA	Solid	Total BTEX	
880-27940-42	CS-42	Total/NA	Solid	Total BTEX	
880-27940-43	CS-43	Total/NA	Solid	Total BTEX	
880-27940-44	CS-44	Total/NA	Solid	Total BTEX	
880-27940-45	CS-45	Total/NA	Solid	Total BTEX	
880-27940-46	CS-46	Total/NA	Solid	Total BTEX	
880-27940-47	CS-47	Total/NA	Solid	Total BTEX	
880-27940-48	CS-48	Total/NA	Solid	Total BTEX	
880-27940-49	CS-49	Total/NA	Solid	Total BTEX	
880-27940-50	CS-50	Total/NA	Solid	Total BTEX	
880-27940-51	CS-51	Total/NA	Solid	Total BTEX	
880-27940-52	CS-52	Total/NA	Solid	Total BTEX	
880-27940-53	CS-53	Total/NA	Solid	Total BTEX	
880-27940-54	CS-54	Total/NA	Solid	Total BTEX	
880-27940-55	CS-55	Total/NA	Solid	Total BTEX	
880-27940-56	CS-56	Total/NA	Solid	Total BTEX	
880-27940-57	CS-57	Total/NA	Solid	Total BTEX	
880-27940-58	CS-58	Total/NA	Solid	Total BTEX	
880-27940-59	CS-59	Total/NA	Solid	Total BTEX	
880-27940-60	CS-60	Total/NA	Solid	Total BTEX	
880-27940-61	CS-61	Total/NA	Solid	Total BTEX	
880-27940-62	CS-62	Total/NA	Solid	Total BTEX	
880-27940-63	CS-63	Total/NA	Solid	Total BTEX	
880-27940-64	CS-64	Total/NA	Solid	Total BTEX	
880-27940-65	CS-65	Total/NA	Solid	Total BTEX	
880-27940-66	CS-66	Total/NA	Solid	Total BTEX	
880-27940-67	CS-67	Total/NA	Solid	Total BTEX	
880-27940-68	CS-68	Total/NA	Solid	Total BTEX	
880-27940-69	CS-69	Total/NA	Solid	Total BTEX	
880-27940-70	CS-70	Total/NA	Solid	Total BTEX	
880-27940-71	CS-71	Total/NA	Solid	Total BTEX	
880-27940-72	CS-72	Total/NA	Solid	Total BTEX	
880-27940-73	CS-73	Total/NA	Solid	Total BTEX	
880-27940-74	CS-74	Total/NA	Solid	Total BTEX	
880-27940-75	CS-75	Total/NA	Solid	Total BTEX	
880-27940-76	CS-76	Total/NA	Solid	Total BTEX	
880-27940-77	CS-77	Total/NA	Solid	Total BTEX	
880-27940-78	CS-78	Total/NA	Solid	Total BTEX	
880-27940-79	CS-79	Total/NA	Solid	Total BTEX	
880-27940-80	CS-80	Total/NA	Solid	Total BTEX	
880-27940-81	CS-81	Total/NA	Solid	Total BTEX	
880-27940-82	CS-82	Total/NA	Solid	Total BTEX	
880-27940-83	CS-83	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 52719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-1	CS-1	Total/NA	Solid	8015NM Prep	
880-27940-2	CS-2	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC Semi VOA (Continued)

Prep Batch: 52719 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-3	CS-3	Total/NA	Solid	8015NM Prep	
880-27940-4	CS-4	Total/NA	Solid	8015NM Prep	
880-27940-5	CS-5	Total/NA	Solid	8015NM Prep	
880-27940-6	CS-6	Total/NA	Solid	8015NM Prep	
880-27940-7	CS-7	Total/NA	Solid	8015NM Prep	
880-27940-8	CS-8	Total/NA	Solid	8015NM Prep	
880-27940-9	CS-9	Total/NA	Solid	8015NM Prep	
880-27940-10	CS-10	Total/NA	Solid	8015NM Prep	
880-27940-11	CS-11	Total/NA	Solid	8015NM Prep	
880-27940-12	CS-12	Total/NA	Solid	8015NM Prep	
880-27940-13	CS-13	Total/NA	Solid	8015NM Prep	
880-27940-14	CS-14	Total/NA	Solid	8015NM Prep	
880-27940-15	CS-15	Total/NA	Solid	8015NM Prep	
880-27940-16	CS-16	Total/NA	Solid	8015NM Prep	
880-27940-17	CS-17	Total/NA	Solid	8015NM Prep	
880-27940-18	CS-18	Total/NA	Solid	8015NM Prep	
880-27940-19	CS-19	Total/NA	Solid	8015NM Prep	
880-27940-20	CS-20	Total/NA	Solid	8015NM Prep	
MB 880-52719/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52719/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52719/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-27940-1 MS	CS-1	Total/NA	Solid	8015NM Prep	
880-27940-1 MSD	CS-1	Total/NA	Solid	8015NM Prep	

Prep Batch: 52720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-21	CS-21	Total/NA	Solid	8015NM Prep	
880-27940-22	CS-22	Total/NA	Solid	8015NM Prep	
880-27940-23	CS-23	Total/NA	Solid	8015NM Prep	
880-27940-24	CS-24	Total/NA	Solid	8015NM Prep	
880-27940-25	CS-25	Total/NA	Solid	8015NM Prep	
880-27940-26	CS-26	Total/NA	Solid	8015NM Prep	
880-27940-27	CS-27	Total/NA	Solid	8015NM Prep	
880-27940-28	CS-28	Total/NA	Solid	8015NM Prep	
880-27940-29	CS-29	Total/NA	Solid	8015NM Prep	
880-27940-30	CS-30	Total/NA	Solid	8015NM Prep	
880-27940-31	CS-31	Total/NA	Solid	8015NM Prep	
880-27940-32	CS-32	Total/NA	Solid	8015NM Prep	
880-27940-33	CS-33	Total/NA	Solid	8015NM Prep	
880-27940-34	CS-34	Total/NA	Solid	8015NM Prep	
880-27940-35	CS-35	Total/NA	Solid	8015NM Prep	
880-27940-36	CS-36	Total/NA	Solid	8015NM Prep	
880-27940-37	CS-37	Total/NA	Solid	8015NM Prep	
880-27940-38	CS-38	Total/NA	Solid	8015NM Prep	
880-27940-39	CS-39	Total/NA	Solid	8015NM Prep	
880-27940-40	CS-40	Total/NA	Solid	8015NM Prep	
MB 880-52720/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52720/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52720/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-27940-21 MS	CS-21	Total/NA	Solid	8015NM Prep	
880-27940-21 MSD	CS-21	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC Semi VOA

Prep Batch: 52749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-41	CS-41	Total/NA	Solid	8015NM Prep	
880-27940-42	CS-42	Total/NA	Solid	8015NM Prep	
880-27940-43	CS-43	Total/NA	Solid	8015NM Prep	
880-27940-44	CS-44	Total/NA	Solid	8015NM Prep	
880-27940-45	CS-45	Total/NA	Solid	8015NM Prep	
880-27940-46	CS-46	Total/NA	Solid	8015NM Prep	
880-27940-47	CS-47	Total/NA	Solid	8015NM Prep	
880-27940-48	CS-48	Total/NA	Solid	8015NM Prep	
880-27940-49	CS-49	Total/NA	Solid	8015NM Prep	
880-27940-50	CS-50	Total/NA	Solid	8015NM Prep	
880-27940-51	CS-51	Total/NA	Solid	8015NM Prep	
880-27940-52	CS-52	Total/NA	Solid	8015NM Prep	
880-27940-53	CS-53	Total/NA	Solid	8015NM Prep	
880-27940-54	CS-54	Total/NA	Solid	8015NM Prep	
880-27940-55	CS-55	Total/NA	Solid	8015NM Prep	
880-27940-56	CS-56	Total/NA	Solid	8015NM Prep	
880-27940-57	CS-57	Total/NA	Solid	8015NM Prep	
880-27940-58	CS-58	Total/NA	Solid	8015NM Prep	
880-27940-59	CS-59	Total/NA	Solid	8015NM Prep	
880-27940-60	CS-60	Total/NA	Solid	8015NM Prep	
MB 880-52749/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52749/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52749/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-27940-41 MS	CS-41	Total/NA	Solid	8015NM Prep	
880-27940-41 MSD	CS-41	Total/NA	Solid	8015NM Prep	

Analysis Batch: 52782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-41	CS-41	Total/NA	Solid	8015B NM	52749
880-27940-42	CS-42	Total/NA	Solid	8015B NM	52749
880-27940-43	CS-43	Total/NA	Solid	8015B NM	52749
880-27940-44	CS-44	Total/NA	Solid	8015B NM	52749
880-27940-45	CS-45	Total/NA	Solid	8015B NM	52749
880-27940-46	CS-46	Total/NA	Solid	8015B NM	52749
880-27940-47	CS-47	Total/NA	Solid	8015B NM	52749
880-27940-48	CS-48	Total/NA	Solid	8015B NM	52749
880-27940-49	CS-49	Total/NA	Solid	8015B NM	52749
880-27940-50	CS-50	Total/NA	Solid	8015B NM	52749
880-27940-51	CS-51	Total/NA	Solid	8015B NM	52749
880-27940-52	CS-52	Total/NA	Solid	8015B NM	52749
880-27940-53	CS-53	Total/NA	Solid	8015B NM	52749
880-27940-54	CS-54	Total/NA	Solid	8015B NM	52749
880-27940-55	CS-55	Total/NA	Solid	8015B NM	52749
880-27940-56	CS-56	Total/NA	Solid	8015B NM	52749
880-27940-57	CS-57	Total/NA	Solid	8015B NM	52749
880-27940-58	CS-58	Total/NA	Solid	8015B NM	52749
880-27940-59	CS-59	Total/NA	Solid	8015B NM	52749
880-27940-60	CS-60	Total/NA	Solid	8015B NM	52749
MB 880-52749/1-A	Method Blank	Total/NA	Solid	8015B NM	52749
LCS 880-52749/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52749
LCSD 880-52749/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52749

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC Semi VOA (Continued)

Analysis Batch: 52782 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-41 MS	CS-41	Total/NA	Solid	8015B NM	52749
880-27940-41 MSD	CS-41	Total/NA	Solid	8015B NM	52749

Analysis Batch: 52784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-1	CS-1	Total/NA	Solid	8015B NM	52719
880-27940-2	CS-2	Total/NA	Solid	8015B NM	52719
880-27940-3	CS-3	Total/NA	Solid	8015B NM	52719
880-27940-4	CS-4	Total/NA	Solid	8015B NM	52719
880-27940-5	CS-5	Total/NA	Solid	8015B NM	52719
880-27940-6	CS-6	Total/NA	Solid	8015B NM	52719
880-27940-7	CS-7	Total/NA	Solid	8015B NM	52719
880-27940-8	CS-8	Total/NA	Solid	8015B NM	52719
880-27940-9	CS-9	Total/NA	Solid	8015B NM	52719
880-27940-10	CS-10	Total/NA	Solid	8015B NM	52719
880-27940-11	CS-11	Total/NA	Solid	8015B NM	52719
880-27940-12	CS-12	Total/NA	Solid	8015B NM	52719
880-27940-13	CS-13	Total/NA	Solid	8015B NM	52719
880-27940-14	CS-14	Total/NA	Solid	8015B NM	52719
880-27940-15	CS-15	Total/NA	Solid	8015B NM	52719
880-27940-16	CS-16	Total/NA	Solid	8015B NM	52719
880-27940-17	CS-17	Total/NA	Solid	8015B NM	52719
880-27940-18	CS-18	Total/NA	Solid	8015B NM	52719
880-27940-19	CS-19	Total/NA	Solid	8015B NM	52719
880-27940-20	CS-20	Total/NA	Solid	8015B NM	52719
MB 880-52719/1-A	Method Blank	Total/NA	Solid	8015B NM	52719
LCS 880-52719/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52719
LCSD 880-52719/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52719
880-27940-1 MS	CS-1	Total/NA	Solid	8015B NM	52719
880-27940-1 MSD	CS-1	Total/NA	Solid	8015B NM	52719

Analysis Batch: 52786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-21	CS-21	Total/NA	Solid	8015B NM	52720
880-27940-22	CS-22	Total/NA	Solid	8015B NM	52720
880-27940-23	CS-23	Total/NA	Solid	8015B NM	52720
880-27940-24	CS-24	Total/NA	Solid	8015B NM	52720
880-27940-25	CS-25	Total/NA	Solid	8015B NM	52720
880-27940-26	CS-26	Total/NA	Solid	8015B NM	52720
880-27940-27	CS-27	Total/NA	Solid	8015B NM	52720
880-27940-28	CS-28	Total/NA	Solid	8015B NM	52720
880-27940-29	CS-29	Total/NA	Solid	8015B NM	52720
880-27940-30	CS-30	Total/NA	Solid	8015B NM	52720
880-27940-31	CS-31	Total/NA	Solid	8015B NM	52720
880-27940-32	CS-32	Total/NA	Solid	8015B NM	52720
880-27940-33	CS-33	Total/NA	Solid	8015B NM	52720
880-27940-34	CS-34	Total/NA	Solid	8015B NM	52720
880-27940-35	CS-35	Total/NA	Solid	8015B NM	52720
880-27940-36	CS-36	Total/NA	Solid	8015B NM	52720
880-27940-37	CS-37	Total/NA	Solid	8015B NM	52720
880-27940-38	CS-38	Total/NA	Solid	8015B NM	52720

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC Semi VOA (Continued)

Analysis Batch: 52786 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-39	CS-39	Total/NA	Solid	8015B NM	52720
880-27940-40	CS-40	Total/NA	Solid	8015B NM	52720
MB 880-52720/1-A	Method Blank	Total/NA	Solid	8015B NM	52720
LCS 880-52720/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52720
LCSD 880-52720/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52720
880-27940-21 MS	CS-21	Total/NA	Solid	8015B NM	52720
880-27940-21 MSD	CS-21	Total/NA	Solid	8015B NM	52720

Prep Batch: 52800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-61	CS-61	Total/NA	Solid	8015NM Prep	
880-27940-62	CS-62	Total/NA	Solid	8015NM Prep	
880-27940-63	CS-63	Total/NA	Solid	8015NM Prep	
880-27940-64	CS-64	Total/NA	Solid	8015NM Prep	
880-27940-65	CS-65	Total/NA	Solid	8015NM Prep	
880-27940-66	CS-66	Total/NA	Solid	8015NM Prep	
880-27940-67	CS-67	Total/NA	Solid	8015NM Prep	
880-27940-68	CS-68	Total/NA	Solid	8015NM Prep	
880-27940-69	CS-69	Total/NA	Solid	8015NM Prep	
880-27940-70	CS-70	Total/NA	Solid	8015NM Prep	
880-27940-71	CS-71	Total/NA	Solid	8015NM Prep	
880-27940-72	CS-72	Total/NA	Solid	8015NM Prep	
880-27940-73	CS-73	Total/NA	Solid	8015NM Prep	
880-27940-74	CS-74	Total/NA	Solid	8015NM Prep	
880-27940-75	CS-75	Total/NA	Solid	8015NM Prep	
880-27940-76	CS-76	Total/NA	Solid	8015NM Prep	
880-27940-77	CS-77	Total/NA	Solid	8015NM Prep	
880-27940-78	CS-78	Total/NA	Solid	8015NM Prep	
880-27940-79	CS-79	Total/NA	Solid	8015NM Prep	
880-27940-80	CS-80	Total/NA	Solid	8015NM Prep	
MB 880-52800/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52800/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52800/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-27940-61 MS	CS-61	Total/NA	Solid	8015NM Prep	
880-27940-61 MSD	CS-61	Total/NA	Solid	8015NM Prep	

Analysis Batch: 52822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-1	CS-1	Total/NA	Solid	8015 NM	
880-27940-2	CS-2	Total/NA	Solid	8015 NM	
880-27940-3	CS-3	Total/NA	Solid	8015 NM	
880-27940-4	CS-4	Total/NA	Solid	8015 NM	
880-27940-5	CS-5	Total/NA	Solid	8015 NM	
880-27940-6	CS-6	Total/NA	Solid	8015 NM	
880-27940-7	CS-7	Total/NA	Solid	8015 NM	
880-27940-8	CS-8	Total/NA	Solid	8015 NM	
880-27940-9	CS-9	Total/NA	Solid	8015 NM	
880-27940-10	CS-10	Total/NA	Solid	8015 NM	
880-27940-11	CS-11	Total/NA	Solid	8015 NM	
880-27940-12	CS-12	Total/NA	Solid	8015 NM	
880-27940-13	CS-13	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC Semi VOA (Continued)

Analysis Batch: 52822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-14	CS-14	Total/NA	Solid	8015 NM	
880-27940-15	CS-15	Total/NA	Solid	8015 NM	
880-27940-16	CS-16	Total/NA	Solid	8015 NM	
880-27940-17	CS-17	Total/NA	Solid	8015 NM	
880-27940-18	CS-18	Total/NA	Solid	8015 NM	
880-27940-19	CS-19	Total/NA	Solid	8015 NM	
880-27940-20	CS-20	Total/NA	Solid	8015 NM	
880-27940-21	CS-21	Total/NA	Solid	8015 NM	
880-27940-22	CS-22	Total/NA	Solid	8015 NM	
880-27940-23	CS-23	Total/NA	Solid	8015 NM	
880-27940-24	CS-24	Total/NA	Solid	8015 NM	
880-27940-25	CS-25	Total/NA	Solid	8015 NM	
880-27940-26	CS-26	Total/NA	Solid	8015 NM	
880-27940-27	CS-27	Total/NA	Solid	8015 NM	
880-27940-28	CS-28	Total/NA	Solid	8015 NM	
880-27940-29	CS-29	Total/NA	Solid	8015 NM	
880-27940-30	CS-30	Total/NA	Solid	8015 NM	
880-27940-31	CS-31	Total/NA	Solid	8015 NM	
880-27940-32	CS-32	Total/NA	Solid	8015 NM	
880-27940-33	CS-33	Total/NA	Solid	8015 NM	
880-27940-34	CS-34	Total/NA	Solid	8015 NM	
880-27940-35	CS-35	Total/NA	Solid	8015 NM	
880-27940-36	CS-36	Total/NA	Solid	8015 NM	
880-27940-37	CS-37	Total/NA	Solid	8015 NM	
880-27940-38	CS-38	Total/NA	Solid	8015 NM	
880-27940-39	CS-39	Total/NA	Solid	8015 NM	
880-27940-40	CS-40	Total/NA	Solid	8015 NM	
880-27940-41	CS-41	Total/NA	Solid	8015 NM	
880-27940-42	CS-42	Total/NA	Solid	8015 NM	
880-27940-43	CS-43	Total/NA	Solid	8015 NM	
880-27940-44	CS-44	Total/NA	Solid	8015 NM	
880-27940-45	CS-45	Total/NA	Solid	8015 NM	
880-27940-46	CS-46	Total/NA	Solid	8015 NM	
880-27940-47	CS-47	Total/NA	Solid	8015 NM	
880-27940-48	CS-48	Total/NA	Solid	8015 NM	
880-27940-49	CS-49	Total/NA	Solid	8015 NM	
880-27940-50	CS-50	Total/NA	Solid	8015 NM	
880-27940-51	CS-51	Total/NA	Solid	8015 NM	
880-27940-52	CS-52	Total/NA	Solid	8015 NM	
880-27940-53	CS-53	Total/NA	Solid	8015 NM	
880-27940-54	CS-54	Total/NA	Solid	8015 NM	
880-27940-55	CS-55	Total/NA	Solid	8015 NM	
880-27940-56	CS-56	Total/NA	Solid	8015 NM	
880-27940-57	CS-57	Total/NA	Solid	8015 NM	
880-27940-58	CS-58	Total/NA	Solid	8015 NM	
880-27940-59	CS-59	Total/NA	Solid	8015 NM	
880-27940-60	CS-60	Total/NA	Solid	8015 NM	
880-27940-61	CS-61	Total/NA	Solid	8015 NM	
880-27940-62	CS-62	Total/NA	Solid	8015 NM	
880-27940-63	CS-63	Total/NA	Solid	8015 NM	
880-27940-64	CS-64	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC Semi VOA (Continued)

Analysis Batch: 52822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-65	CS-65	Total/NA	Solid	8015 NM	
880-27940-66	CS-66	Total/NA	Solid	8015 NM	
880-27940-67	CS-67	Total/NA	Solid	8015 NM	
880-27940-68	CS-68	Total/NA	Solid	8015 NM	
880-27940-69	CS-69	Total/NA	Solid	8015 NM	
880-27940-70	CS-70	Total/NA	Solid	8015 NM	
880-27940-71	CS-71	Total/NA	Solid	8015 NM	
880-27940-72	CS-72	Total/NA	Solid	8015 NM	
880-27940-73	CS-73	Total/NA	Solid	8015 NM	
880-27940-74	CS-74	Total/NA	Solid	8015 NM	
880-27940-75	CS-75	Total/NA	Solid	8015 NM	
880-27940-76	CS-76	Total/NA	Solid	8015 NM	
880-27940-77	CS-77	Total/NA	Solid	8015 NM	
880-27940-78	CS-78	Total/NA	Solid	8015 NM	
880-27940-79	CS-79	Total/NA	Solid	8015 NM	
880-27940-80	CS-80	Total/NA	Solid	8015 NM	
880-27940-81	CS-81	Total/NA	Solid	8015 NM	
880-27940-82	CS-82	Total/NA	Solid	8015 NM	
880-27940-83	CS-83	Total/NA	Solid	8015 NM	

Analysis Batch: 52997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-81	CS-81	Total/NA	Solid	8015B NM	53015
880-27940-82	CS-82	Total/NA	Solid	8015B NM	53015
880-27940-83	CS-83	Total/NA	Solid	8015B NM	53015
MB 880-53015/1-A	Method Blank	Total/NA	Solid	8015B NM	53015
LCS 880-53015/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53015
LCSD 880-53015/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53015

Analysis Batch: 52999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-61	CS-61	Total/NA	Solid	8015B NM	52800
880-27940-62	CS-62	Total/NA	Solid	8015B NM	52800
880-27940-63	CS-63	Total/NA	Solid	8015B NM	52800
880-27940-64	CS-64	Total/NA	Solid	8015B NM	52800
880-27940-65	CS-65	Total/NA	Solid	8015B NM	52800
880-27940-66	CS-66	Total/NA	Solid	8015B NM	52800
880-27940-67	CS-67	Total/NA	Solid	8015B NM	52800
880-27940-68	CS-68	Total/NA	Solid	8015B NM	52800
880-27940-69	CS-69	Total/NA	Solid	8015B NM	52800
880-27940-70	CS-70	Total/NA	Solid	8015B NM	52800
880-27940-71	CS-71	Total/NA	Solid	8015B NM	52800
880-27940-72	CS-72	Total/NA	Solid	8015B NM	52800
880-27940-73	CS-73	Total/NA	Solid	8015B NM	52800
880-27940-74	CS-74	Total/NA	Solid	8015B NM	52800
880-27940-75	CS-75	Total/NA	Solid	8015B NM	52800
880-27940-76	CS-76	Total/NA	Solid	8015B NM	52800
880-27940-77	CS-77	Total/NA	Solid	8015B NM	52800
880-27940-78	CS-78	Total/NA	Solid	8015B NM	52800
880-27940-79	CS-79	Total/NA	Solid	8015B NM	52800
880-27940-80	CS-80	Total/NA	Solid	8015B NM	52800

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

GC Semi VOA (Continued)

Analysis Batch: 52999 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-52800/1-A	Method Blank	Total/NA	Solid	8015B NM	52800
LCS 880-52800/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52800
LCSD 880-52800/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52800
880-27940-61 MS	CS-61	Total/NA	Solid	8015B NM	52800
880-27940-61 MSD	CS-61	Total/NA	Solid	8015B NM	52800

Prep Batch: 53015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-81	CS-81	Total/NA	Solid	8015NM Prep	
880-27940-82	CS-82	Total/NA	Solid	8015NM Prep	
880-27940-83	CS-83	Total/NA	Solid	8015NM Prep	
MB 880-53015/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53015/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53015/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 52844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-1	CS-1	Soluble	Solid	DI Leach	
880-27940-2	CS-2	Soluble	Solid	DI Leach	
880-27940-3	CS-3	Soluble	Solid	DI Leach	
880-27940-4	CS-4	Soluble	Solid	DI Leach	
880-27940-5	CS-5	Soluble	Solid	DI Leach	
880-27940-6	CS-6	Soluble	Solid	DI Leach	
880-27940-7	CS-7	Soluble	Solid	DI Leach	
880-27940-8	CS-8	Soluble	Solid	DI Leach	
880-27940-9	CS-9	Soluble	Solid	DI Leach	
880-27940-10	CS-10	Soluble	Solid	DI Leach	
880-27940-11	CS-11	Soluble	Solid	DI Leach	
880-27940-12	CS-12	Soluble	Solid	DI Leach	
880-27940-13	CS-13	Soluble	Solid	DI Leach	
880-27940-14	CS-14	Soluble	Solid	DI Leach	
880-27940-15	CS-15	Soluble	Solid	DI Leach	
880-27940-16	CS-16	Soluble	Solid	DI Leach	
880-27940-17	CS-17	Soluble	Solid	DI Leach	
880-27940-18	CS-18	Soluble	Solid	DI Leach	
880-27940-19	CS-19	Soluble	Solid	DI Leach	
880-27940-20	CS-20	Soluble	Solid	DI Leach	
MB 880-52844/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52844/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52844/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27940-1 MS	CS-1	Soluble	Solid	DI Leach	
880-27940-1 MSD	CS-1	Soluble	Solid	DI Leach	
880-27940-11 MS	CS-11	Soluble	Solid	DI Leach	
880-27940-11 MSD	CS-11	Soluble	Solid	DI Leach	

Leach Batch: 52845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-21	CS-21	Soluble	Solid	DI Leach	
880-27940-22	CS-22	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

HPLC/IC (Continued)

Leach Batch: 52845 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-23	CS-23	Soluble	Solid	DI Leach	
880-27940-24	CS-24	Soluble	Solid	DI Leach	
880-27940-25	CS-25	Soluble	Solid	DI Leach	
880-27940-26	CS-26	Soluble	Solid	DI Leach	
880-27940-27	CS-27	Soluble	Solid	DI Leach	
880-27940-28	CS-28	Soluble	Solid	DI Leach	
880-27940-29	CS-29	Soluble	Solid	DI Leach	
880-27940-30	CS-30	Soluble	Solid	DI Leach	
880-27940-31	CS-31	Soluble	Solid	DI Leach	
880-27940-32	CS-32	Soluble	Solid	DI Leach	
880-27940-33	CS-33	Soluble	Solid	DI Leach	
880-27940-34	CS-34	Soluble	Solid	DI Leach	
880-27940-35	CS-35	Soluble	Solid	DI Leach	
880-27940-36	CS-36	Soluble	Solid	DI Leach	
880-27940-37	CS-37	Soluble	Solid	DI Leach	
880-27940-38	CS-38	Soluble	Solid	DI Leach	
880-27940-39	CS-39	Soluble	Solid	DI Leach	
880-27940-40	CS-40	Soluble	Solid	DI Leach	
MB 880-52845/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52845/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52845/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27940-21 MS	CS-21	Soluble	Solid	DI Leach	
880-27940-21 MSD	CS-21	Soluble	Solid	DI Leach	
880-27940-31 MS	CS-31	Soluble	Solid	DI Leach	
880-27940-31 MSD	CS-31	Soluble	Solid	DI Leach	

Leach Batch: 52846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-41	CS-41	Soluble	Solid	DI Leach	
880-27940-42	CS-42	Soluble	Solid	DI Leach	
880-27940-43	CS-43	Soluble	Solid	DI Leach	
880-27940-44	CS-44	Soluble	Solid	DI Leach	
880-27940-45	CS-45	Soluble	Solid	DI Leach	
880-27940-46	CS-46	Soluble	Solid	DI Leach	
880-27940-47	CS-47	Soluble	Solid	DI Leach	
880-27940-48	CS-48	Soluble	Solid	DI Leach	
880-27940-49	CS-49	Soluble	Solid	DI Leach	
880-27940-50	CS-50	Soluble	Solid	DI Leach	
880-27940-51	CS-51	Soluble	Solid	DI Leach	
880-27940-52	CS-52	Soluble	Solid	DI Leach	
880-27940-53	CS-53	Soluble	Solid	DI Leach	
880-27940-54	CS-54	Soluble	Solid	DI Leach	
880-27940-55	CS-55	Soluble	Solid	DI Leach	
880-27940-56	CS-56	Soluble	Solid	DI Leach	
880-27940-57	CS-57	Soluble	Solid	DI Leach	
880-27940-58	CS-58	Soluble	Solid	DI Leach	
880-27940-59	CS-59	Soluble	Solid	DI Leach	
880-27940-60	CS-60	Soluble	Solid	DI Leach	
MB 880-52846/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52846/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52846/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

HPLC/IC (Continued)

Leach Batch: 52846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-41 MS	CS-41	Soluble	Solid	DI Leach	
880-27940-41 MSD	CS-41	Soluble	Solid	DI Leach	
880-27940-51 MS	CS-51	Soluble	Solid	DI Leach	
880-27940-51 MSD	CS-51	Soluble	Solid	DI Leach	

Leach Batch: 52847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-61	CS-61	Soluble	Solid	DI Leach	
880-27940-62	CS-62	Soluble	Solid	DI Leach	
880-27940-63	CS-63	Soluble	Solid	DI Leach	
880-27940-64	CS-64	Soluble	Solid	DI Leach	
880-27940-65	CS-65	Soluble	Solid	DI Leach	
880-27940-66	CS-66	Soluble	Solid	DI Leach	
880-27940-67	CS-67	Soluble	Solid	DI Leach	
880-27940-68	CS-68	Soluble	Solid	DI Leach	
880-27940-69	CS-69	Soluble	Solid	DI Leach	
880-27940-70	CS-70	Soluble	Solid	DI Leach	
880-27940-71	CS-71	Soluble	Solid	DI Leach	
880-27940-72	CS-72	Soluble	Solid	DI Leach	
880-27940-73	CS-73	Soluble	Solid	DI Leach	
880-27940-74	CS-74	Soluble	Solid	DI Leach	
880-27940-75	CS-75	Soluble	Solid	DI Leach	
880-27940-76	CS-76	Soluble	Solid	DI Leach	
880-27940-77	CS-77	Soluble	Solid	DI Leach	
880-27940-78	CS-78	Soluble	Solid	DI Leach	
880-27940-79	CS-79	Soluble	Solid	DI Leach	
880-27940-80	CS-80	Soluble	Solid	DI Leach	
MB 880-52847/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52847/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52847/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27940-61 MS	CS-61	Soluble	Solid	DI Leach	
880-27940-61 MSD	CS-61	Soluble	Solid	DI Leach	
880-27940-71 MS	CS-71	Soluble	Solid	DI Leach	
880-27940-71 MSD	CS-71	Soluble	Solid	DI Leach	

Leach Batch: 52848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-81	CS-81	Soluble	Solid	DI Leach	
880-27940-82	CS-82	Soluble	Solid	DI Leach	
880-27940-83	CS-83	Soluble	Solid	DI Leach	
MB 880-52848/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52848/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52848/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27940-81 MS	CS-81	Soluble	Solid	DI Leach	
880-27940-81 MSD	CS-81	Soluble	Solid	DI Leach	

Analysis Batch: 53029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-1	CS-1	Soluble	Solid	300.0	52844
880-27940-2	CS-2	Soluble	Solid	300.0	52844
880-27940-3	CS-3	Soluble	Solid	300.0	52844

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

HPLC/IC (Continued)

Analysis Batch: 53029 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-4	CS-4	Soluble	Solid	300.0	52844
880-27940-5	CS-5	Soluble	Solid	300.0	52844
880-27940-6	CS-6	Soluble	Solid	300.0	52844
880-27940-7	CS-7	Soluble	Solid	300.0	52844
880-27940-8	CS-8	Soluble	Solid	300.0	52844
880-27940-9	CS-9	Soluble	Solid	300.0	52844
880-27940-10	CS-10	Soluble	Solid	300.0	52844
880-27940-11	CS-11	Soluble	Solid	300.0	52844
880-27940-12	CS-12	Soluble	Solid	300.0	52844
880-27940-13	CS-13	Soluble	Solid	300.0	52844
880-27940-14	CS-14	Soluble	Solid	300.0	52844
880-27940-15	CS-15	Soluble	Solid	300.0	52844
880-27940-16	CS-16	Soluble	Solid	300.0	52844
880-27940-17	CS-17	Soluble	Solid	300.0	52844
880-27940-18	CS-18	Soluble	Solid	300.0	52844
880-27940-19	CS-19	Soluble	Solid	300.0	52844
880-27940-20	CS-20	Soluble	Solid	300.0	52844
MB 880-52844/1-A	Method Blank	Soluble	Solid	300.0	52844
LCS 880-52844/2-A	Lab Control Sample	Soluble	Solid	300.0	52844
LCSD 880-52844/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52844
880-27940-1 MS	CS-1	Soluble	Solid	300.0	52844
880-27940-1 MSD	CS-1	Soluble	Solid	300.0	52844
880-27940-11 MS	CS-11	Soluble	Solid	300.0	52844
880-27940-11 MSD	CS-11	Soluble	Solid	300.0	52844

Analysis Batch: 53032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-81	CS-81	Soluble	Solid	300.0	52848
880-27940-82	CS-82	Soluble	Solid	300.0	52848
880-27940-83	CS-83	Soluble	Solid	300.0	52848
MB 880-52848/1-A	Method Blank	Soluble	Solid	300.0	52848
LCS 880-52848/2-A	Lab Control Sample	Soluble	Solid	300.0	52848
LCSD 880-52848/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52848
880-27940-81 MS	CS-81	Soluble	Solid	300.0	52848
880-27940-81 MSD	CS-81	Soluble	Solid	300.0	52848

Analysis Batch: 53035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-21	CS-21	Soluble	Solid	300.0	52845
880-27940-22	CS-22	Soluble	Solid	300.0	52845
880-27940-23	CS-23	Soluble	Solid	300.0	52845
880-27940-24	CS-24	Soluble	Solid	300.0	52845
880-27940-25	CS-25	Soluble	Solid	300.0	52845
880-27940-26	CS-26	Soluble	Solid	300.0	52845
880-27940-27	CS-27	Soluble	Solid	300.0	52845
880-27940-28	CS-28	Soluble	Solid	300.0	52845
880-27940-29	CS-29	Soluble	Solid	300.0	52845
880-27940-30	CS-30	Soluble	Solid	300.0	52845
880-27940-31	CS-31	Soluble	Solid	300.0	52845
880-27940-32	CS-32	Soluble	Solid	300.0	52845
880-27940-33	CS-33	Soluble	Solid	300.0	52845

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

HPLC/IC (Continued)

Analysis Batch: 53035 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-34	CS-34	Soluble	Solid	300.0	52845
880-27940-35	CS-35	Soluble	Solid	300.0	52845
880-27940-36	CS-36	Soluble	Solid	300.0	52845
880-27940-37	CS-37	Soluble	Solid	300.0	52845
880-27940-38	CS-38	Soluble	Solid	300.0	52845
880-27940-39	CS-39	Soluble	Solid	300.0	52845
880-27940-40	CS-40	Soluble	Solid	300.0	52845
MB 880-52845/1-A	Method Blank	Soluble	Solid	300.0	52845
LCS 880-52845/2-A	Lab Control Sample	Soluble	Solid	300.0	52845
LCSD 880-52845/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52845
880-27940-21 MS	CS-21	Soluble	Solid	300.0	52845
880-27940-21 MSD	CS-21	Soluble	Solid	300.0	52845
880-27940-31 MS	CS-31	Soluble	Solid	300.0	52845
880-27940-31 MSD	CS-31	Soluble	Solid	300.0	52845

Analysis Batch: 53039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-41	CS-41	Soluble	Solid	300.0	52846
880-27940-42	CS-42	Soluble	Solid	300.0	52846
880-27940-43	CS-43	Soluble	Solid	300.0	52846
880-27940-44	CS-44	Soluble	Solid	300.0	52846
880-27940-45	CS-45	Soluble	Solid	300.0	52846
880-27940-46	CS-46	Soluble	Solid	300.0	52846
880-27940-47	CS-47	Soluble	Solid	300.0	52846
880-27940-48	CS-48	Soluble	Solid	300.0	52846
880-27940-49	CS-49	Soluble	Solid	300.0	52846
880-27940-50	CS-50	Soluble	Solid	300.0	52846
880-27940-51	CS-51	Soluble	Solid	300.0	52846
880-27940-52	CS-52	Soluble	Solid	300.0	52846
880-27940-53	CS-53	Soluble	Solid	300.0	52846
880-27940-54	CS-54	Soluble	Solid	300.0	52846
880-27940-55	CS-55	Soluble	Solid	300.0	52846
880-27940-56	CS-56	Soluble	Solid	300.0	52846
880-27940-57	CS-57	Soluble	Solid	300.0	52846
880-27940-58	CS-58	Soluble	Solid	300.0	52846
880-27940-59	CS-59	Soluble	Solid	300.0	52846
880-27940-60	CS-60	Soluble	Solid	300.0	52846
MB 880-52846/1-A	Method Blank	Soluble	Solid	300.0	52846
LCS 880-52846/2-A	Lab Control Sample	Soluble	Solid	300.0	52846
LCSD 880-52846/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52846
880-27940-41 MS	CS-41	Soluble	Solid	300.0	52846
880-27940-41 MSD	CS-41	Soluble	Solid	300.0	52846
880-27940-51 MS	CS-51	Soluble	Solid	300.0	52846
880-27940-51 MSD	CS-51	Soluble	Solid	300.0	52846

Analysis Batch: 53040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-61	CS-61	Soluble	Solid	300.0	52847
880-27940-62	CS-62	Soluble	Solid	300.0	52847
880-27940-63	CS-63	Soluble	Solid	300.0	52847
880-27940-64	CS-64	Soluble	Solid	300.0	52847

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

HPLC/IC (Continued)

Analysis Batch: 53040 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27940-65	CS-65	Soluble	Solid	300.0	52847
880-27940-66	CS-66	Soluble	Solid	300.0	52847
880-27940-67	CS-67	Soluble	Solid	300.0	52847
880-27940-68	CS-68	Soluble	Solid	300.0	52847
880-27940-69	CS-69	Soluble	Solid	300.0	52847
880-27940-70	CS-70	Soluble	Solid	300.0	52847
880-27940-71	CS-71	Soluble	Solid	300.0	52847
880-27940-72	CS-72	Soluble	Solid	300.0	52847
880-27940-73	CS-73	Soluble	Solid	300.0	52847
880-27940-74	CS-74	Soluble	Solid	300.0	52847
880-27940-75	CS-75	Soluble	Solid	300.0	52847
880-27940-76	CS-76	Soluble	Solid	300.0	52847
880-27940-77	CS-77	Soluble	Solid	300.0	52847
880-27940-78	CS-78	Soluble	Solid	300.0	52847
880-27940-79	CS-79	Soluble	Solid	300.0	52847
880-27940-80	CS-80	Soluble	Solid	300.0	52847
MB 880-52847/1-A	Method Blank	Soluble	Solid	300.0	52847
LCS 880-52847/2-A	Lab Control Sample	Soluble	Solid	300.0	52847
LCSD 880-52847/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52847
880-27940-61 MS	CS-61	Soluble	Solid	300.0	52847
880-27940-61 MSD	CS-61	Soluble	Solid	300.0	52847
880-27940-71 MS	CS-71	Soluble	Solid	300.0	52847
880-27940-71 MSD	CS-71	Soluble	Solid	300.0	52847

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-1**Lab Sample ID: 880-27940-1****Date Collected: 05/01/23 17:00****Matrix: Solid****Date Received: 05/04/23 09:15**

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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/06/23 19:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 12:26	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	53029	05/10/23 15:16	SMC	EET MID

Client Sample ID: CS-2**Lab Sample ID: 880-27940-2****Date Collected: 05/01/23 17:02****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/06/23 19:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 13:33	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	53029	05/10/23 15:32	SMC	EET MID

Client Sample ID: CS-3**Lab Sample ID: 880-27940-3****Date Collected: 05/01/23 17:04****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/06/23 20:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 13:55	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	53029	05/10/23 15:37	SMC	EET MID

Client Sample ID: CS-4**Lab Sample ID: 880-27940-4****Date Collected: 05/01/23 17:06****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/06/23 20:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-4

Lab Sample ID: 880-27940-4

Date Collected: 05/01/23 17:06

Matrix: Solid

Date Received: 05/04/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 14:18	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 15:42	SMC	EET MID

Client Sample ID: CS-5

Lab Sample ID: 880-27940-5

Date Collected: 05/01/23 17:08

Matrix: Solid

Date Received: 05/04/23 09:15

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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/06/23 20:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 14:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 15:47	SMC	EET MID

Client Sample ID: CS-6

Lab Sample ID: 880-27940-6

Date Collected: 05/01/23 17:10

Matrix: Solid

Date Received: 05/04/23 09:15

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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/06/23 21:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 16:03	SMC	EET MID

Client Sample ID: CS-7

Lab Sample ID: 880-27940-7

Date Collected: 05/01/23 17:12

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/06/23 21:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 15:25	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-7

Lab Sample ID: 880-27940-7

Date Collected: 05/01/23 17:12

Matrix: Solid

Date Received: 05/04/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 16:08	SMC	EET MID

Client Sample ID: CS-8

Lab Sample ID: 880-27940-8

Date Collected: 05/01/23 17:14

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/06/23 21:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 15:47	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 16:14	SMC	EET MID

Client Sample ID: CS-9

Lab Sample ID: 880-27940-9

Date Collected: 05/01/23 17:16

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/06/23 22:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 16:10	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 16:19	SMC	EET MID

Client Sample ID: CS-10

Lab Sample ID: 880-27940-10

Date Collected: 05/01/23 17:18

Matrix: Solid

Date Received: 05/04/23 09:15

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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/06/23 22:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 16:32	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 16:24	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-11

Lab Sample ID: 880-27940-11

Date Collected: 05/01/23 17:20

Matrix: Solid

Date Received: 05/04/23 09:15

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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/06/23 23:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 17:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 16:29	SMC	EET MID

Client Sample ID: CS-12

Lab Sample ID: 880-27940-12

Date Collected: 05/01/23 17:22

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/07/23 00:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 17:39	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 16:45	SMC	EET MID

Client Sample ID: CS-13

Lab Sample ID: 880-27940-13

Date Collected: 05/01/23 17:24

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/07/23 00:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 18:02	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 16:50	SMC	EET MID

Client Sample ID: CS-14

Lab Sample ID: 880-27940-14

Date Collected: 05/01/23 17:26

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/07/23 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-14

Lab Sample ID: 880-27940-14

Date Collected: 05/01/23 17:26

Matrix: Solid

Date Received: 05/04/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 18:24	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	53029	05/10/23 17:49	SMC	EET MID

Client Sample ID: CS-15

Lab Sample ID: 880-27940-15

Date Collected: 05/02/23 13:20

Matrix: Solid

Date Received: 05/04/23 09:15

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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/07/23 01:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 18:47	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 17:54	SMC	EET MID

Client Sample ID: CS-16

Lab Sample ID: 880-27940-16

Date Collected: 05/02/23 13:22

Matrix: Solid

Date Received: 05/04/23 09:15

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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/07/23 01:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 19:09	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 17:16	SMC	EET MID

Client Sample ID: CS-17

Lab Sample ID: 880-27940-17

Date Collected: 05/02/23 13:24

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/07/23 01:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 19:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-17

Lab Sample ID: 880-27940-17

Date Collected: 05/02/23 13:24

Matrix: Solid

Date Received: 05/04/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 17:22	SMC	EET MID

Client Sample ID: CS-18

Lab Sample ID: 880-27940-18

Date Collected: 05/02/23 13:26

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/07/23 02:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 19:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 17:27	SMC	EET MID

Client Sample ID: CS-19

Lab Sample ID: 880-27940-19

Date Collected: 05/02/23 13:28

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/07/23 02:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 20:17	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 17:32	SMC	EET MID

Client Sample ID: CS-20

Lab Sample ID: 880-27940-20

Date Collected: 05/02/23 13:30

Matrix: Solid

Date Received: 05/04/23 09:15

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	52619	05/04/23 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/07/23 03:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52719	05/05/23 14:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52784	05/07/23 20:40	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	52844	05/08/23 13:47	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53029	05/10/23 17:37	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-21

Lab Sample ID: 880-27940-21

Date Collected: 05/02/23 13:32

Matrix: Solid

Date Received: 05/04/23 09:15

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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 09:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 12:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 02:23	SMC	EET MID

Client Sample ID: CS-22

Lab Sample ID: 880-27940-22

Date Collected: 05/02/23 13:34

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 09:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 13:33	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 02:37	SMC	EET MID

Client Sample ID: CS-23

Lab Sample ID: 880-27940-23

Date Collected: 05/02/23 13:36

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 09:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 13:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 02:42	SMC	EET MID

Client Sample ID: CS-24

Lab Sample ID: 880-27940-24

Date Collected: 05/02/23 13:38

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 10:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-24

Lab Sample ID: 880-27940-24

Date Collected: 05/02/23 13:38

Matrix: Solid

Date Received: 05/04/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 14:18	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	53035	05/10/23 02:47	SMC	EET MID

Client Sample ID: CS-25

Lab Sample ID: 880-27940-25

Date Collected: 05/02/23 13:40

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 10:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 14:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 02:52	SMC	EET MID

Client Sample ID: CS-26

Lab Sample ID: 880-27940-26

Date Collected: 05/02/23 13:42

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 11:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 03:06	SMC	EET MID

Client Sample ID: CS-27

Lab Sample ID: 880-27940-27

Date Collected: 05/02/23 13:44

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 11:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 15:25	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-27

Date Collected: 05/02/23 13:44

Date Received: 05/04/23 09:15

Lab Sample ID: 880-27940-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 03:11	SMC	EET MID

Client Sample ID: CS-28

Date Collected: 05/02/23 13:46

Date Received: 05/04/23 09:15

Lab Sample ID: 880-27940-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 15:47	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 03:16	SMC	EET MID

Client Sample ID: CS-29

Date Collected: 05/02/23 13:48

Date Received: 05/04/23 09:15

Lab Sample ID: 880-27940-29

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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 16:10	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 03:21	SMC	EET MID

Client Sample ID: CS-30

Date Collected: 05/02/23 13:50

Date Received: 05/04/23 09:15

Lab Sample ID: 880-27940-30

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			5.05 g	5 mL	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 16:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 03:25	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-31

Lab Sample ID: 880-27940-31

Date Collected: 05/02/23 13:50

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 14:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 17:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 03:30	SMC	EET MID

Client Sample ID: CS-32

Lab Sample ID: 880-27940-32

Date Collected: 05/02/23 13:54

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 15:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 17:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 03:45	SMC	EET MID

Client Sample ID: CS-33

Lab Sample ID: 880-27940-33

Date Collected: 05/02/23 13:56

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 15:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 18:02	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 03:50	SMC	EET MID

Client Sample ID: CS-34

Lab Sample ID: 880-27940-34

Date Collected: 05/02/23 13:58

Matrix: Solid

Date Received: 05/04/23 09:15

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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 16:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-34

Lab Sample ID: 880-27940-34

Date Collected: 05/02/23 13:58

Matrix: Solid

Date Received: 05/04/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 18:24	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 04:04	SMC	EET MID

Client Sample ID: CS-35

Lab Sample ID: 880-27940-35

Date Collected: 05/02/23 14:00

Matrix: Solid

Date Received: 05/04/23 09:15

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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 16:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 18:47	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 04:09	SMC	EET MID

Client Sample ID: CS-36

Lab Sample ID: 880-27940-36

Date Collected: 05/02/23 14:02

Matrix: Solid

Date Received: 05/04/23 09:15

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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 17:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 19:09	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 04:14	SMC	EET MID

Client Sample ID: CS-37

Lab Sample ID: 880-27940-37

Date Collected: 05/02/23 14:04

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 17:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 19:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-37**Lab Sample ID: 880-27940-37****Date Collected: 05/02/23 14:04****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 04:19	SMC	EET MID

Client Sample ID: CS-38**Lab Sample ID: 880-27940-38****Date Collected: 05/02/23 14:06****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 17:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 19:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 04:23	SMC	EET MID

Client Sample ID: CS-39**Lab Sample ID: 880-27940-39****Date Collected: 05/02/23 14:08****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 18:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 20:17	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 04:28	SMC	EET MID

Client Sample ID: CS-40**Lab Sample ID: 880-27940-40****Date Collected: 05/02/23 14:10****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52620	05/04/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52693	05/07/23 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 17:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52720	05/05/23 14:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52786	05/07/23 20:40	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	52845	05/08/23 13:48	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53035	05/10/23 04:33	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-41**Lab Sample ID: 880-27940-41****Date Collected: 05/02/23 14:12****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 01:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 12:09	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 00:08	SMC	EET MID

Client Sample ID: CS-42**Lab Sample ID: 880-27940-42****Date Collected: 05/02/23 14:14****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 02:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 13:15	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 00:24	SMC	EET MID

Client Sample ID: CS-43**Lab Sample ID: 880-27940-43****Date Collected: 05/02/23 14:16****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 02:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 13:37	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 00:30	SMC	EET MID

Client Sample ID: CS-44**Lab Sample ID: 880-27940-44****Date Collected: 05/02/23 14:18****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 02:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-44

Lab Sample ID: 880-27940-44

Date Collected: 05/02/23 14:18

Matrix: Solid

Date Received: 05/04/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 13:59	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 00:35	SMC	EET MID

Client Sample ID: CS-45

Lab Sample ID: 880-27940-45

Date Collected: 05/02/23 14:20

Matrix: Solid

Date Received: 05/04/23 09:15

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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 03:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 14:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 00:40	SMC	EET MID

Client Sample ID: CS-46

Lab Sample ID: 880-27940-46

Date Collected: 05/02/23 14:22

Matrix: Solid

Date Received: 05/04/23 09:15

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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 03:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 14:43	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 00:56	SMC	EET MID

Client Sample ID: CS-47

Lab Sample ID: 880-27940-47

Date Collected: 05/02/23 14:24

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 03:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 15:06	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-47**Lab Sample ID: 880-27940-47****Date Collected: 05/02/23 14:24****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 01:02	SMC	EET MID

Client Sample ID: CS-48**Lab Sample ID: 880-27940-48****Date Collected: 05/02/23 14:26****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 04:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 15:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 01:07	SMC	EET MID

Client Sample ID: CS-49**Lab Sample ID: 880-27940-49****Date Collected: 05/02/23 14:28****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 04:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 15:50	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 01:12	SMC	EET MID

Client Sample ID: CS-50**Lab Sample ID: 880-27940-50****Date Collected: 05/02/23 14:30****Matrix: Solid****Date Received: 05/04/23 09:15**

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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 04:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 16:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 01:18	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-51**Lab Sample ID: 880-27940-51****Date Collected: 05/02/23 14:32****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 06:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 16:56	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 01:23	SMC	EET MID

Client Sample ID: CS-52**Lab Sample ID: 880-27940-52****Date Collected: 05/02/23 14:34****Matrix: Solid****Date Received: 05/04/23 09:15**

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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 07:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 17:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	53039	05/10/23 01:39	SMC	EET MID

Client Sample ID: CS-53**Lab Sample ID: 880-27940-53****Date Collected: 05/02/23 14:36****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 07:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 17:41	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 01:45	SMC	EET MID

Client Sample ID: CS-54**Lab Sample ID: 880-27940-54****Date Collected: 05/02/23 15:45****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 07:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-54

Lab Sample ID: 880-27940-54

Date Collected: 05/02/23 15:45

Matrix: Solid

Date Received: 05/04/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 18:03	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 02:01	SMC	EET MID

Client Sample ID: CS-55

Lab Sample ID: 880-27940-55

Date Collected: 05/02/23 15:47

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 08:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 18:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 02:06	SMC	EET MID

Client Sample ID: CS-56

Lab Sample ID: 880-27940-56

Date Collected: 05/02/23 15:50

Matrix: Solid

Date Received: 05/04/23 09:15

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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 08:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 18:48	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 02:11	SMC	EET MID

Client Sample ID: CS-57

Lab Sample ID: 880-27940-57

Date Collected: 05/03/23 10:20

Matrix: Solid

Date Received: 05/04/23 09:15

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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 08:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 19:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-57**Lab Sample ID: 880-27940-57****Date Collected: 05/03/23 10:20****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 02:17	SMC	EET MID

Client Sample ID: CS-58**Lab Sample ID: 880-27940-58****Date Collected: 05/03/23 10:22****Matrix: Solid****Date Received: 05/04/23 09:15**

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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 09:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 19:32	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 02:22	SMC	EET MID

Client Sample ID: CS-59**Lab Sample ID: 880-27940-59****Date Collected: 05/03/23 10:24****Matrix: Solid****Date Received: 05/04/23 09:15**

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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 09:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 19:55	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 02:27	SMC	EET MID

Client Sample ID: CS-60**Lab Sample ID: 880-27940-60****Date Collected: 05/03/23 10:26****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52621	05/04/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/07/23 09:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/08/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52749	05/05/23 17:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52782	05/07/23 20:17	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52846	05/08/23 13:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53039	05/10/23 02:33	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-61**Lab Sample ID: 880-27940-61****Date Collected: 05/03/23 10:28****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 16:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/10/23 23:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 03:16	SMC	EET MID

Client Sample ID: CS-62**Lab Sample ID: 880-27940-62****Date Collected: 05/03/23 10:30****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 00:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 03:32	SMC	EET MID

Client Sample ID: CS-63**Lab Sample ID: 880-27940-63****Date Collected: 05/03/23 10:32****Matrix: Solid****Date Received: 05/04/23 09:15**

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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 01:16	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 03:37	SMC	EET MID

Client Sample ID: CS-64**Lab Sample ID: 880-27940-64****Date Collected: 05/03/23 10:34****Matrix: Solid****Date Received: 05/04/23 09:15**

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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-64

Lab Sample ID: 880-27940-64

Date Collected: 05/03/23 10:34

Matrix: Solid

Date Received: 05/04/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 01:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 03:42	SMC	EET MID

Client Sample ID: CS-65

Lab Sample ID: 880-27940-65

Date Collected: 05/03/23 10:36

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 01:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 03:48	SMC	EET MID

Client Sample ID: CS-66

Lab Sample ID: 880-27940-66

Date Collected: 05/03/23 10:38

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 02:20	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 04:04	SMC	EET MID

Client Sample ID: CS-67

Lab Sample ID: 880-27940-67

Date Collected: 05/03/23 10:40

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 02:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-67**Lab Sample ID: 880-27940-67****Date Collected: 05/03/23 10:40****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 04:09	SMC	EET MID

Client Sample ID: CS-68**Lab Sample ID: 880-27940-68****Date Collected: 05/03/23 10:42****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 18:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 03:04	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 04:15	SMC	EET MID

Client Sample ID: CS-69**Lab Sample ID: 880-27940-69****Date Collected: 05/03/23 10:44****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 18:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 03:26	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 04:20	SMC	EET MID

Client Sample ID: CS-70**Lab Sample ID: 880-27940-70****Date Collected: 05/03/23 10:46****Matrix: Solid****Date Received: 05/04/23 09:15**

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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 19:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 03:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	53040	05/10/23 04:25	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-71**Lab Sample ID: 880-27940-71****Date Collected: 05/03/23 10:48****Matrix: Solid****Date Received: 05/04/23 09:15**

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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 20:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 04:31	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 04:31	SMC	EET MID

Client Sample ID: CS-72**Lab Sample ID: 880-27940-72****Date Collected: 05/03/23 10:50****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 20:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 04:53	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 04:47	SMC	EET MID

Client Sample ID: CS-73**Lab Sample ID: 880-27940-73****Date Collected: 05/03/23 10:52****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 21:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 05:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 04:52	SMC	EET MID

Client Sample ID: CS-74**Lab Sample ID: 880-27940-74****Date Collected: 05/03/23 10:54****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 21:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-74

Lab Sample ID: 880-27940-74

Date Collected: 05/03/23 10:54

Matrix: Solid

Date Received: 05/04/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 05:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 05:08	SMC	EET MID

Client Sample ID: CS-75

Lab Sample ID: 880-27940-75

Date Collected: 05/03/23 11:00

Matrix: Solid

Date Received: 05/04/23 09:15

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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 21:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 05:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 05:14	SMC	EET MID

Client Sample ID: CS-76

Lab Sample ID: 880-27940-76

Date Collected: 05/03/23 11:02

Matrix: Solid

Date Received: 05/04/23 09:15

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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 22:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 06:19	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 05:19	SMC	EET MID

Client Sample ID: CS-77

Lab Sample ID: 880-27940-77

Date Collected: 05/03/23 11:04

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 22:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 06:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-77**Lab Sample ID: 880-27940-77****Date Collected: 05/03/23 11:04****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 05:24	SMC	EET MID

Client Sample ID: CS-78**Lab Sample ID: 880-27940-78****Date Collected: 05/03/23 11:06****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 23:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 07:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 05:30	SMC	EET MID

Client Sample ID: CS-79**Lab Sample ID: 880-27940-79****Date Collected: 05/03/23 11:08****Matrix: Solid****Date Received: 05/04/23 09:15**

Prep 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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 23:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 07:21	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 05:35	SMC	EET MID

Client Sample ID: CS-80**Lab Sample ID: 880-27940-80****Date Collected: 05/03/23 11:10****Matrix: Solid****Date Received: 05/04/23 09:15**

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	52622	05/04/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52828	05/08/23 23:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/09/23 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 12:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52800	05/08/23 08:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52999	05/11/23 07:41	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52847	05/08/23 13:51	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53040	05/10/23 05:40	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Client Sample ID: CS-81

Lab Sample ID: 880-27940-81

Date Collected: 05/03/23 11:12

Matrix: Solid

Date Received: 05/04/23 09:15

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	52630	05/04/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/05/23 11:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/10/23 19:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53015	05/10/23 10:09	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52997	05/10/23 18:27	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52848	05/08/23 13:52	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53032	05/09/23 16:14	SMC	EET MID

Client Sample ID: CS-82

Lab Sample ID: 880-27940-82

Date Collected: 05/03/23 11:14

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52630	05/04/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52672	05/05/23 11:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 10:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53015	05/10/23 10:09	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52997	05/10/23 18:48	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52848	05/08/23 13:52	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	53032	05/09/23 16:28	SMC	EET MID

Client Sample ID: CS-83

Lab Sample ID: 880-27940-83

Date Collected: 05/03/23 11:16

Matrix: Solid

Date Received: 05/04/23 09:15

Prep 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	52673	05/05/23 12:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52692	05/05/23 16:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52857	05/08/23 16:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52822	05/11/23 10:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53015	05/10/23 10:09	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52997	05/10/23 19:09	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52848	05/08/23 13:52	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53032	05/09/23 16:33	SMC	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Laboratory: Eurofins Midland

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

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

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

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

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Method Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-27940-1	CS-1	Solid	05/01/23 17:00	05/04/23 09:15
880-27940-2	CS-2	Solid	05/01/23 17:02	05/04/23 09:15
880-27940-3	CS-3	Solid	05/01/23 17:04	05/04/23 09:15
880-27940-4	CS-4	Solid	05/01/23 17:06	05/04/23 09:15
880-27940-5	CS-5	Solid	05/01/23 17:08	05/04/23 09:15
880-27940-6	CS-6	Solid	05/01/23 17:10	05/04/23 09:15
880-27940-7	CS-7	Solid	05/01/23 17:12	05/04/23 09:15
880-27940-8	CS-8	Solid	05/01/23 17:14	05/04/23 09:15
880-27940-9	CS-9	Solid	05/01/23 17:16	05/04/23 09:15
880-27940-10	CS-10	Solid	05/01/23 17:18	05/04/23 09:15
880-27940-11	CS-11	Solid	05/01/23 17:20	05/04/23 09:15
880-27940-12	CS-12	Solid	05/01/23 17:22	05/04/23 09:15
880-27940-13	CS-13	Solid	05/01/23 17:24	05/04/23 09:15
880-27940-14	CS-14	Solid	05/01/23 17:26	05/04/23 09:15
880-27940-15	CS-15	Solid	05/02/23 13:20	05/04/23 09:15
880-27940-16	CS-16	Solid	05/02/23 13:22	05/04/23 09:15
880-27940-17	CS-17	Solid	05/02/23 13:24	05/04/23 09:15
880-27940-18	CS-18	Solid	05/02/23 13:26	05/04/23 09:15
880-27940-19	CS-19	Solid	05/02/23 13:28	05/04/23 09:15
880-27940-20	CS-20	Solid	05/02/23 13:30	05/04/23 09:15
880-27940-21	CS-21	Solid	05/02/23 13:32	05/04/23 09:15
880-27940-22	CS-22	Solid	05/02/23 13:34	05/04/23 09:15
880-27940-23	CS-23	Solid	05/02/23 13:36	05/04/23 09:15
880-27940-24	CS-24	Solid	05/02/23 13:38	05/04/23 09:15
880-27940-25	CS-25	Solid	05/02/23 13:40	05/04/23 09:15
880-27940-26	CS-26	Solid	05/02/23 13:42	05/04/23 09:15
880-27940-27	CS-27	Solid	05/02/23 13:44	05/04/23 09:15
880-27940-28	CS-28	Solid	05/02/23 13:46	05/04/23 09:15
880-27940-29	CS-29	Solid	05/02/23 13:48	05/04/23 09:15
880-27940-30	CS-30	Solid	05/02/23 13:50	05/04/23 09:15
880-27940-31	CS-31	Solid	05/02/23 13:50	05/04/23 09:15
880-27940-32	CS-32	Solid	05/02/23 13:54	05/04/23 09:15
880-27940-33	CS-33	Solid	05/02/23 13:56	05/04/23 09:15
880-27940-34	CS-34	Solid	05/02/23 13:58	05/04/23 09:15
880-27940-35	CS-35	Solid	05/02/23 14:00	05/04/23 09:15
880-27940-36	CS-36	Solid	05/02/23 14:02	05/04/23 09:15
880-27940-37	CS-37	Solid	05/02/23 14:04	05/04/23 09:15
880-27940-38	CS-38	Solid	05/02/23 14:06	05/04/23 09:15
880-27940-39	CS-39	Solid	05/02/23 14:08	05/04/23 09:15
880-27940-40	CS-40	Solid	05/02/23 14:10	05/04/23 09:15
880-27940-41	CS-41	Solid	05/02/23 14:12	05/04/23 09:15
880-27940-42	CS-42	Solid	05/02/23 14:14	05/04/23 09:15
880-27940-43	CS-43	Solid	05/02/23 14:16	05/04/23 09:15
880-27940-44	CS-44	Solid	05/02/23 14:18	05/04/23 09:15
880-27940-45	CS-45	Solid	05/02/23 14:20	05/04/23 09:15
880-27940-46	CS-46	Solid	05/02/23 14:22	05/04/23 09:15
880-27940-47	CS-47	Solid	05/02/23 14:24	05/04/23 09:15
880-27940-48	CS-48	Solid	05/02/23 14:26	05/04/23 09:15
880-27940-49	CS-49	Solid	05/02/23 14:28	05/04/23 09:15
880-27940-50	CS-50	Solid	05/02/23 14:30	05/04/23 09:15
880-27940-51	CS-51	Solid	05/02/23 14:32	05/04/23 09:15
880-27940-52	CS-52	Solid	05/02/23 14:34	05/04/23 09:15
880-27940-53	CS-53	Solid	05/02/23 14:36	05/04/23 09:15
880-27940-54	CS-54	Solid	05/02/23 15:45	05/04/23 09:15

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: SD P415

Job ID: 880-27940-1
SDG: 22-0105-13

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-27940-55	CS-55	Solid	05/02/23 15:47	05/04/23 09:15
880-27940-56	CS-56	Solid	05/02/23 15:50	05/04/23 09:15
880-27940-57	CS-57	Solid	05/03/23 10:20	05/04/23 09:15
880-27940-58	CS-58	Solid	05/03/23 10:22	05/04/23 09:15
880-27940-59	CS-59	Solid	05/03/23 10:24	05/04/23 09:15
880-27940-60	CS-60	Solid	05/03/23 10:26	05/04/23 09:15
880-27940-61	CS-61	Solid	05/03/23 10:28	05/04/23 09:15
880-27940-62	CS-62	Solid	05/03/23 10:30	05/04/23 09:15
880-27940-63	CS-63	Solid	05/03/23 10:32	05/04/23 09:15
880-27940-64	CS-64	Solid	05/03/23 10:34	05/04/23 09:15
880-27940-65	CS-65	Solid	05/03/23 10:36	05/04/23 09:15
880-27940-66	CS-66	Solid	05/03/23 10:38	05/04/23 09:15
880-27940-67	CS-67	Solid	05/03/23 10:40	05/04/23 09:15
880-27940-68	CS-68	Solid	05/03/23 10:42	05/04/23 09:15
880-27940-69	CS-69	Solid	05/03/23 10:44	05/04/23 09:15
880-27940-70	CS-70	Solid	05/03/23 10:46	05/04/23 09:15
880-27940-71	CS-71	Solid	05/03/23 10:48	05/04/23 09:15
880-27940-72	CS-72	Solid	05/03/23 10:50	05/04/23 09:15
880-27940-73	CS-73	Solid	05/03/23 10:52	05/04/23 09:15
880-27940-74	CS-74	Solid	05/03/23 10:54	05/04/23 09:15
880-27940-75	CS-75	Solid	05/03/23 11:00	05/04/23 09:15
880-27940-76	CS-76	Solid	05/03/23 11:02	05/04/23 09:15
880-27940-77	CS-77	Solid	05/03/23 11:04	05/04/23 09:15
880-27940-78	CS-78	Solid	05/03/23 11:06	05/04/23 09:15
880-27940-79	CS-79	Solid	05/03/23 11:08	05/04/23 09:15
880-27940-80	CS-80	Solid	05/03/23 11:10	05/04/23 09:15
880-27940-81	CS-81	Solid	05/03/23 11:12	05/04/23 09:15
880-27940-82	CS-82	Solid	05/03/23 11:14	05/04/23 09:15
880-27940-83	CS-83	Solid	05/03/23 11:16	05/04/23 09:15

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27940 No. 3052
CHAIN-OF-CUSTODY

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5/11/2023

Marson & Associates, Inc.
Environmental Consultants

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

DATE: 5/11/2023 PAGE 4 OF 6
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME SD P415
LAI PROJECT # 22-0105-13 COLLECTOR MF

Data Reported to

TRRP report? ☐ Yes ☒ No
TIME ZONE _____
Time zone/State _____

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

PRESERVATION

HCl
HNO₃
H₂SO₄ ☐ NaOH ☐
ICE
UNPRESERVED

ANALYSES

BTEX ☐ MTBE ☐
TRPH 418 1 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☐
DIESEL - MOD 8015 ☐
OIL - MOD 8015 ☐
VOC 8260 ☐
SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐
8081 PESTICIDES ☐ 8151 HERBICIDES ☐
TCPP - METALS (RCRA) ☐ TCPP VOC ☐
TCPP - PEST ☐ HERB ☐ Semi-VOC ☐
TOTAL METALS (RCRA) ☐ OTHER LIST ☐
LEAD - TOTAL ☐ D W 200 8 ☐ TCPP ☐
RCI ☐ TOX ☐ FLASHPOINT ☐
TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
pH ☐ HEXAVALENT CHROMIUM ☐
EXPLOSIVES ☐ PENTACHLORATE ☐
CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐

FIELD NOTES

Field Sample ID	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
C-46		5/11/23	1422	S	1						X	
C-47		1424									X	
C-48		1426									X	
C-49		1428									X	
C-50		1430									X	
C-51		1432									X	
C-52		1434									X	
C-53		1436									X	
C-54		1545									X	
C-55		1547									X	
C-56		1550									X	
C-57		5/11/23	1020								X	
C-58		1022									X	
C-59		1024									X	
C-60		1026									X	
TOTAL												

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

NORMAL ☒

RECEIVING TEMP _____ THERM# _____

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

1 DAY ☐

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

LABORATORY Xenoco

2 DAY ☐

CARRIER BILL # _____

HAND DELIVERED ☐

CHAIN-OF-CUSTODY

No. 3056

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Marson & Associates, Inc.
Environmental Consultants

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

Data Reported to

DATE: 5/11/2023 PAGE 5 OF 6
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME: SD P415
LAI PROJECT #: 22-0105-13 COLLECTOR: MJF

CHAIN-OF-CUSTODY

No. 3057

TRRP report? ☐ Yes ☒ No	S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	PRESERVATION HCl HNO ₃ H ₂ SO ₄ ☐ NaOH ☐ ICE UNPRESERVED		ANALYSES BTEX/MTBE ☐ TRPH 418 1 ☐ TPH 1005 ☐ TPH 1006 ☐ GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ OIL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ 8081 PESTICIDES ☐ PAH 8270 ☐ HOLDPAH ☐ 8082 PCBS ☐ TCDF - METALS (RCRA) ☐ 8151 HERBICIDES ☐ TCDF - PEST ☐ HERB ☐ TCDF VOC ☐ TOTAL METALS (RCRA) ☐ Semi-VOC ☐ LEAD - TOTAL ☐ DW 200 8 ☐ TCDF ☐ RCL ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ PH ☐ HEXAVALENT CHROMIUM ☐ EXPLOSIVES ☐ PENTACHLORATE ☐ CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐			
TIME ZONE Time zone/State <u>MST /M</u>	Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	FIELD NOTES	
C-61			5/13/23	1025	S	1	X	X
C-62				1030			X	X
C-63				1032			X	X
C-64				1034			X	X
C-65				1036			X	X
C-66				1038			X	X
C-67				1040			X	X
C-68				1042			X	X
C-69				1044			X	X
C-70				1046			X	X
C-71				1048			X	X
C-72				1050			X	X
C-73				1052			X	X
C-74				1054			X	X
C-75				1100			X	X
TOTAL								
RELINQUISHED BY (Signature)			DATE/TIME			RECEIVED BY (Signature)		
<u>[Signature]</u>			<u>5/11/23 0915</u>			<u>[Signature]</u>		
RELINQUISHED BY (Signature)			DATE/TIME			RECEIVED BY (Signature)		
RELINQUISHED BY (Signature)			DATE/TIME			RECEIVED BY (Signature)		
LABORATORY <u>XERO</u>			TURN AROUND TIME NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐			LABORATORY USE ONLY: RECEIVING TEMP _____ THERM# _____ CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED ☐ CARRIER BILL # _____ ☐ HAND DELIVERED		

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No. 3058

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-27940-1

SDG Number: 22-0105-13

Login Number: 27940

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/11/2023 1:08:00 PM

JOB DESCRIPTION

SD 2413 Fed P415
SDG NUMBER 22-0105-18

JOB NUMBER

880-27953-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

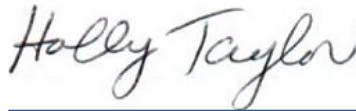
Eurofins Midland

Job Notes

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

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

Authorization



Generated
5/11/2023 1:08:00 PM

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

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Laboratory Job ID: 880-27953-1
SDG: 22-0105-18

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Job ID: 880-27953-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-27953-1**

Receipt

The samples were received on 5/4/2023 12:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.7°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BF-1 (880-27953-1), BF-2 (880-27953-2), BF-3 (880-27953-3), BF-4 (880-27953-4) and BF-5 (880-27953-5).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-52615 and analytical batch 880-52565 was outside the upper control limits.

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-52615 and analytical batch 880-52565 recovered outside control limits for the following analytes: o-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-52565 recovered under the lower control limit for m,p-Xylenes and o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.>(CCV 880-52565/51)

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-52801 and analytical batch 880-52790 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-52790/5), (LCS 880-52801/2-A) and (LCSD 880-52801/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-52790/20). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BF-1 (880-27953-1), BF-2 (880-27953-2), BF-3 (880-27953-3), BF-4 (880-27953-4) and BF-5 (880-27953-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: CCV biased low however an acceptable CCV was ran within the 12 hour window therefore the data has been qualified and reported.(CCV 880-52790/47)

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 method blank associated with preparation batch 880-52848 and 880-52848 and analytical batch 880-53032 contained Chloride greater than one-half the reporting limit (RL). The samples were not re-analyzed because all samples were greater than 10 times the detection of the Method Blank (MB). The sample results have been qualified and reported.BF-1 (880-27953-1), BF-2 (880-27953-2), BF-3 (880-27953-3), BF-5 (880-27953-5), (MB 880-52848/1-A) and (880-27940-A-81-D)

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Client Sample ID: BF-1

Lab Sample ID: 880-27953-1

Date Collected: 04/27/23 17:20

Matrix: Solid

Date Received: 05/04/23 12:11

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:02	05/04/23 22:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:02	05/04/23 22:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:02	05/04/23 22:34	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:02	05/04/23 22:34	1
o-Xylene	<0.00199	U **	0.00199	mg/Kg		05/04/23 13:02	05/04/23 22:34	1
Xylenes, Total	<0.00398	U **	0.00398	mg/Kg		05/04/23 13:02	05/04/23 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/04/23 13:02	05/04/23 22:34	1
1,4-Difluorobenzene (Surr)	77		70 - 130	05/04/23 13:02	05/04/23 22:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/05/23 15:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/09/23 10:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/08/23 09:00	05/08/23 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/08/23 09:00	05/08/23 17:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/23 09:00	05/08/23 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130	05/08/23 09:00	05/08/23 17:45	1
o-Terphenyl (Surr)	136	S1+	70 - 130	05/08/23 09:00	05/08/23 17:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116	B	5.00	mg/Kg			05/09/23 16:43	1

Client Sample ID: BF-2

Lab Sample ID: 880-27953-2

Date Collected: 04/27/23 17:23

Matrix: Solid

Date Received: 05/04/23 12:11

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:02	05/04/23 22:54	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:02	05/04/23 22:54	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/04/23 13:02	05/04/23 22:54	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/04/23 13:02	05/04/23 22:54	1
o-Xylene	<0.00199	U **	0.00199	mg/Kg		05/04/23 13:02	05/04/23 22:54	1
Xylenes, Total	<0.00398	U **	0.00398	mg/Kg		05/04/23 13:02	05/04/23 22:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/04/23 13:02	05/04/23 22:54	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/04/23 13:02	05/04/23 22:54	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Client Sample ID: BF-2

Lab Sample ID: 880-27953-2

Date Collected: 04/27/23 17:23

Matrix: Solid

Date Received: 05/04/23 12:11

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/05/23 15:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/09/23 10:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/08/23 09:00	05/08/23 18:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/08/23 09:00	05/08/23 18:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/23 09:00	05/08/23 18:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	136	S1+	70 - 130			05/08/23 09:00	05/08/23 18:06	1
o-Terphenyl (Surr)	148	S1+	70 - 130			05/08/23 09:00	05/08/23 18:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.9	B	4.95	mg/Kg			05/09/23 16:58	1

Client Sample ID: BF-3

Lab Sample ID: 880-27953-3

Date Collected: 04/27/23 17:25

Matrix: Solid

Date Received: 05/04/23 12:11

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:02	05/04/23 23:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:02	05/04/23 23:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:02	05/04/23 23:15	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/04/23 13:02	05/04/23 23:15	1
o-Xylene	<0.00200	U **	0.00200	mg/Kg		05/04/23 13:02	05/04/23 23:15	1
Xylenes, Total	<0.00399	U **	0.00399	mg/Kg		05/04/23 13:02	05/04/23 23:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			05/04/23 13:02	05/04/23 23:15	1
1,4-Difluorobenzene (Surr)	80		70 - 130			05/04/23 13:02	05/04/23 23:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/05/23 15:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/09/23 10:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/08/23 09:00	05/08/23 18:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/08/23 09:00	05/08/23 18:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Client Sample ID: BF-3

Lab Sample ID: 880-27953-3

Date Collected: 04/27/23 17:25

Matrix: Solid

Date Received: 05/04/23 12:11

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/08/23 09:00	05/08/23 18:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			05/08/23 09:00	05/08/23 18:28	1
o-Terphenyl (Surr)	135	S1+	70 - 130			05/08/23 09:00	05/08/23 18:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	361	B	5.04	mg/Kg			05/09/23 17:03	1

Client Sample ID: BF-4

Lab Sample ID: 880-27953-4

Date Collected: 04/27/23 17:30

Matrix: Solid

Date Received: 05/04/23 12:11

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:02	05/04/23 23:36	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:02	05/04/23 23:36	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/04/23 13:02	05/04/23 23:36	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		05/04/23 13:02	05/04/23 23:36	1
o-Xylene	<0.00201	U **	0.00201	mg/Kg		05/04/23 13:02	05/04/23 23:36	1
Xylenes, Total	<0.00403	U **	0.00403	mg/Kg		05/04/23 13:02	05/04/23 23:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			05/04/23 13:02	05/04/23 23:36	1
1,4-Difluorobenzene (Surr)	80		70 - 130			05/04/23 13:02	05/04/23 23:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			05/05/23 15:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/09/23 10:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/08/23 09:00	05/08/23 18:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/08/23 09:00	05/08/23 18:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/08/23 09:00	05/08/23 18:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			05/08/23 09:00	05/08/23 18:50	1
o-Terphenyl (Surr)	136	S1+	70 - 130			05/08/23 09:00	05/08/23 18:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.9		4.99	mg/Kg			05/10/23 21:03	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Client Sample ID: BF-5

Lab Sample ID: 880-27953-5

Date Collected: 04/27/23 17:38

Matrix: Solid

Date Received: 05/04/23 12:11

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:02	05/04/23 23:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:02	05/04/23 23:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:02	05/04/23 23:56	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/04/23 13:02	05/04/23 23:56	1
o-Xylene	<0.00200	U **	0.00200	mg/Kg		05/04/23 13:02	05/04/23 23:56	1
Xylenes, Total	<0.00401	U **	0.00401	mg/Kg		05/04/23 13:02	05/04/23 23:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	05/04/23 13:02	05/04/23 23:56	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/04/23 13:02	05/04/23 23:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/05/23 15:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/09/23 10:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/08/23 09:00	05/08/23 19:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/08/23 09:00	05/08/23 19:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/23 09:00	05/08/23 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	05/08/23 09:00	05/08/23 19:11	1
o-Terphenyl (Surr)	134	S1+	70 - 130	05/08/23 09:00	05/08/23 19:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	221	B	4.99	mg/Kg			05/09/23 17:12	1

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

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)
880-27953-1	BF-1	94	77
880-27953-1 MS	BF-1	112	105
880-27953-1 MSD	BF-1	114	108
880-27953-2	BF-2	101	82
880-27953-3	BF-3	102	80
880-27953-4	BF-4	96	80
880-27953-5	BF-5	82	88
LCS 880-52615/1-A	Lab Control Sample	111	100
LCSD 880-52615/2-A	Lab Control Sample Dup	115	106
MB 880-52509/5-A	Method Blank	68 S1-	93
MB 880-52615/5-A	Method Blank	67 S1-	94
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)
880-27953-1	BF-1	118	136 S1+
880-27953-2	BF-2	136 S1+	148 S1+
880-27953-3	BF-3	113	135 S1+
880-27953-4	BF-4	114	136 S1+
880-27953-5	BF-5	109	134 S1+
LCS 880-52801/2-A	Lab Control Sample	135 S1+	161 S1+
LCSD 880-52801/3-A	Lab Control Sample Dup	132 S1+	159 S1+
MB 880-52801/1-A	Method Blank	114	149 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-52509/5-A

Matrix: Solid

Analysis Batch: 52565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52509

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/03/23 12:55	05/04/23 10:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/03/23 12:55	05/04/23 10:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/03/23 12:55	05/04/23 10:53	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/03/23 12:55	05/04/23 10:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/03/23 12:55	05/04/23 10:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/03/23 12:55	05/04/23 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	05/03/23 12:55	05/04/23 10:53	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/03/23 12:55	05/04/23 10:53	1

Lab Sample ID: MB 880-52615/5-A

Matrix: Solid

Analysis Batch: 52565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52615

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:02	05/04/23 22:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:02	05/04/23 22:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:02	05/04/23 22:12	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/04/23 13:02	05/04/23 22:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/04/23 13:02	05/04/23 22:12	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/04/23 13:02	05/04/23 22:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	05/04/23 13:02	05/04/23 22:12	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/04/23 13:02	05/04/23 22:12	1

Lab Sample ID: LCS 880-52615/1-A

Matrix: Solid

Analysis Batch: 52565

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52615

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1281		mg/Kg		128	70 - 130
Toluene	0.100	0.1203		mg/Kg		120	70 - 130
Ethylbenzene	0.100	0.1221		mg/Kg		122	70 - 130
m,p-Xylenes	0.200	0.2551		mg/Kg		128	70 - 130
o-Xylene	0.100	0.1383	*+	mg/Kg		138	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-52615/2-A

Matrix: Solid

Analysis Batch: 52565

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52615

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1252		mg/Kg		125	70 - 130	2	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

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

Lab Sample ID: LCSD 880-52615/2-A

Matrix: Solid

Analysis Batch: 52565

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52615

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1076		mg/Kg		108	70 - 130	11	35
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130	8	35
m,p-Xylenes	0.200	0.2332		mg/Kg		117	70 - 130	9	35
o-Xylene	0.100	0.1205		mg/Kg		120	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-27953-1 MS

Matrix: Solid

Analysis Batch: 52565

Client Sample ID: BF-1

Prep Type: Total/NA

Prep Batch: 52615

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.09629		mg/Kg		96	70 - 130
Toluene	<0.00199	U	0.0998	0.09060		mg/Kg		91	70 - 130
Ethylbenzene	<0.00199	U	0.0998	0.1016		mg/Kg		102	70 - 130
m,p-Xylenes	<0.00398	U	0.200	0.2071		mg/Kg		104	70 - 130
o-Xylene	<0.00199	U *	0.0998	0.1089		mg/Kg		109	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-27953-1 MSD

Matrix: Solid

Analysis Batch: 52565

Client Sample ID: BF-1

Prep Type: Total/NA

Prep Batch: 52615

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	0.09727		mg/Kg		97	70 - 130	1	35
Toluene	<0.00199	U	0.100	0.09178		mg/Kg		91	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.100	0.1029		mg/Kg		103	70 - 130	1	35
m,p-Xylenes	<0.00398	U	0.201	0.2088		mg/Kg		104	70 - 130	1	35
o-Xylene	<0.00199	U *	0.100	0.1083		mg/Kg		108	70 - 130	0	35

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

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

Lab Sample ID: MB 880-52801/1-A

Matrix: Solid

Analysis Batch: 52790

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52801

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		05/08/23 08:00	05/08/23 08:37	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

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

Lab Sample ID: MB 880-52801/1-A

Matrix: Solid

Analysis Batch: 52790

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52801

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		05/08/23 08:00	05/08/23 08:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/23 08:00	05/08/23 08:37	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			05/08/23 08:00	05/08/23 08:37	1
o-Terphenyl (Surr)	149	S1+	70 - 130			05/08/23 08:00	05/08/23 08:37	1

Lab Sample ID: LCS 880-52801/2-A

Matrix: Solid

Analysis Batch: 52790

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 52801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1138		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1147		mg/Kg		115	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	135	S1+	70 - 130				
o-Terphenyl (Surr)	161	S1+	70 - 130				

Lab Sample ID: LCSD 880-52801/3-A

Matrix: Solid

Analysis Batch: 52790

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52801

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	8	20
Diesel Range Organics (Over C10-C28)	1000	1133		mg/Kg		113	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	132	S1+	70 - 130						
o-Terphenyl (Surr)	159	S1+	70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-52848/1-A

Matrix: Solid

Analysis Batch: 53032

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.955		5.00	mg/Kg			05/09/23 15:59	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-52848/2-A
Matrix: Solid
Analysis Batch: 53032

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.9		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-52848/3-A
Matrix: Solid
Analysis Batch: 53032

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	270.6		mg/Kg		108	90 - 110	6	20

Lab Sample ID: MB 880-53024/1-A
Matrix: Solid
Analysis Batch: 53052

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			05/10/23 18:31	1

Lab Sample ID: LCS 880-53024/2-A
Matrix: Solid
Analysis Batch: 53052

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.3		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-53024/3-A
Matrix: Solid
Analysis Batch: 53052

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	255.7		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

GC VOA

Prep Batch: 52509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-52509/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 52565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27953-1	BF-1	Total/NA	Solid	8021B	52615
880-27953-2	BF-2	Total/NA	Solid	8021B	52615
880-27953-3	BF-3	Total/NA	Solid	8021B	52615
880-27953-4	BF-4	Total/NA	Solid	8021B	52615
880-27953-5	BF-5	Total/NA	Solid	8021B	52615
MB 880-52509/5-A	Method Blank	Total/NA	Solid	8021B	52509
MB 880-52615/5-A	Method Blank	Total/NA	Solid	8021B	52615
LCS 880-52615/1-A	Lab Control Sample	Total/NA	Solid	8021B	52615
LCSD 880-52615/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52615
880-27953-1 MS	BF-1	Total/NA	Solid	8021B	52615
880-27953-1 MSD	BF-1	Total/NA	Solid	8021B	52615

Prep Batch: 52615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27953-1	BF-1	Total/NA	Solid	5035	
880-27953-2	BF-2	Total/NA	Solid	5035	
880-27953-3	BF-3	Total/NA	Solid	5035	
880-27953-4	BF-4	Total/NA	Solid	5035	
880-27953-5	BF-5	Total/NA	Solid	5035	
MB 880-52615/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52615/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52615/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27953-1 MS	BF-1	Total/NA	Solid	5035	
880-27953-1 MSD	BF-1	Total/NA	Solid	5035	

Analysis Batch: 52736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27953-1	BF-1	Total/NA	Solid	Total BTEX	
880-27953-2	BF-2	Total/NA	Solid	Total BTEX	
880-27953-3	BF-3	Total/NA	Solid	Total BTEX	
880-27953-4	BF-4	Total/NA	Solid	Total BTEX	
880-27953-5	BF-5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 52790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27953-1	BF-1	Total/NA	Solid	8015B NM	52801
880-27953-2	BF-2	Total/NA	Solid	8015B NM	52801
880-27953-3	BF-3	Total/NA	Solid	8015B NM	52801
880-27953-4	BF-4	Total/NA	Solid	8015B NM	52801
880-27953-5	BF-5	Total/NA	Solid	8015B NM	52801
MB 880-52801/1-A	Method Blank	Total/NA	Solid	8015B NM	52801
LCS 880-52801/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52801
LCSD 880-52801/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52801

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

GC Semi VOA

Prep Batch: 52801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27953-1	BF-1	Total/NA	Solid	8015NM Prep	
880-27953-2	BF-2	Total/NA	Solid	8015NM Prep	
880-27953-3	BF-3	Total/NA	Solid	8015NM Prep	
880-27953-4	BF-4	Total/NA	Solid	8015NM Prep	
880-27953-5	BF-5	Total/NA	Solid	8015NM Prep	
MB 880-52801/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52801/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52801/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 52931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27953-1	BF-1	Total/NA	Solid	8015 NM	
880-27953-2	BF-2	Total/NA	Solid	8015 NM	
880-27953-3	BF-3	Total/NA	Solid	8015 NM	
880-27953-4	BF-4	Total/NA	Solid	8015 NM	
880-27953-5	BF-5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 52848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27953-1	BF-1	Soluble	Solid	DI Leach	
880-27953-2	BF-2	Soluble	Solid	DI Leach	
880-27953-3	BF-3	Soluble	Solid	DI Leach	
880-27953-5	BF-5	Soluble	Solid	DI Leach	
MB 880-52848/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52848/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52848/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 53024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27953-4	BF-4	Soluble	Solid	DI Leach	
MB 880-53024/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53024/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53024/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 53032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27953-1	BF-1	Soluble	Solid	300.0	52848
880-27953-2	BF-2	Soluble	Solid	300.0	52848
880-27953-3	BF-3	Soluble	Solid	300.0	52848
880-27953-5	BF-5	Soluble	Solid	300.0	52848
MB 880-52848/1-A	Method Blank	Soluble	Solid	300.0	52848
LCS 880-52848/2-A	Lab Control Sample	Soluble	Solid	300.0	52848
LCSD 880-52848/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52848

Analysis Batch: 53052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27953-4	BF-4	Soluble	Solid	300.0	53024
MB 880-53024/1-A	Method Blank	Soluble	Solid	300.0	53024
LCS 880-53024/2-A	Lab Control Sample	Soluble	Solid	300.0	53024

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

HPLC/IC (Continued)

Analysis Batch: 53052 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-53024/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53024

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

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Client Sample ID: BF-1

Lab Sample ID: 880-27953-1

Date Collected: 04/27/23 17:20

Matrix: Solid

Date Received: 05/04/23 12:11

Prep 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	52615	05/04/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52565	05/04/23 22:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52736	05/05/23 15:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52931	05/09/23 10:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52801	05/08/23 09:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52790	05/08/23 17:45	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52848	05/08/23 13:52	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53032	05/09/23 16:43	SMC	EET MID

Client Sample ID: BF-2

Lab Sample ID: 880-27953-2

Date Collected: 04/27/23 17:23

Matrix: Solid

Date Received: 05/04/23 12:11

Prep 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	52615	05/04/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52565	05/04/23 22:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52736	05/05/23 15:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52931	05/09/23 10:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52801	05/08/23 09:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52790	05/08/23 18:06	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	52848	05/08/23 13:52	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53032	05/09/23 16:58	SMC	EET MID

Client Sample ID: BF-3

Lab Sample ID: 880-27953-3

Date Collected: 04/27/23 17:25

Matrix: Solid

Date Received: 05/04/23 12:11

Prep 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	52615	05/04/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52565	05/04/23 23:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52736	05/05/23 15:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52931	05/09/23 10:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52801	05/08/23 09:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52790	05/08/23 18:28	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52848	05/08/23 13:52	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53032	05/09/23 17:03	SMC	EET MID

Client Sample ID: BF-4

Lab Sample ID: 880-27953-4

Date Collected: 04/27/23 17:30

Matrix: Solid

Date Received: 05/04/23 12:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.967 g	5 mL	52615	05/04/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52565	05/04/23 23:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52736	05/05/23 15:56	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Client Sample ID: BF-4

Lab Sample ID: 880-27953-4

Date Collected: 04/27/23 17:30

Matrix: Solid

Date Received: 05/04/23 12:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52931	05/09/23 10:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52801	05/08/23 09:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52790	05/08/23 18:50	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53024	05/10/23 10:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53052	05/10/23 21:03	SMC	EET MID

Client Sample ID: BF-5

Lab Sample ID: 880-27953-5

Date Collected: 04/27/23 17:38

Matrix: Solid

Date Received: 05/04/23 12:11

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	52615	05/04/23 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52565	05/04/23 23:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52736	05/05/23 15:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			52931	05/09/23 10:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52801	05/08/23 09:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52790	05/08/23 19:11	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52848	05/08/23 13:52	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53032	05/09/23 17:12	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Laboratory: Eurofins Midland

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

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

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

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

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

Method Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-27953-1
SDG: 22-0105-18

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-27953-1	BF-1	Solid	04/27/23 17:20	05/04/23 12:11
880-27953-2	BF-2	Solid	04/27/23 17:23	05/04/23 12:11
880-27953-3	BF-3	Solid	04/27/23 17:25	05/04/23 12:11
880-27953-4	BF-4	Solid	04/27/23 17:30	05/04/23 12:11
880-27953-5	BF-5	Solid	04/27/23 17:38	05/04/23 12:11

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- 13
- 14

27953 No. 2595

No. 2595

CHAIN-OF-CUSTODY

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-27953-1

SDG Number: 22-0105-18

Login Number: 27953

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/18/2023 10:33:12 AM

JOB DESCRIPTION

SD 2413 Fed P415
SDG NUMBER 22-0105-13

JOB NUMBER

880-28352-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
5/18/2023 10:33:12 AM

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

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Laboratory Job ID: 880-28352-1
SDG: 22-0105-13

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Job ID: 880-28352-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-28352-1**

Receipt

The samples were received on 5/12/2023 9:09 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-84 0-1' (880-28352-1), C-85 0-0.5' (880-28352-2), C-86 0-4.1' (880-28352-3), C-87 0-1' (880-28352-4), C-88 0-2' (880-28352-5) and C-89 0-2' (880-28352-6).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53335 recovered above the upper control limit for Toluene, Ethylbenzene, m,p-Xylenes and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-84 0-1' (880-28352-1), C-85 0-0.5' (880-28352-2), C-87 0-1' (880-28352-4), C-88 0-2' (880-28352-5), C-89 0-2' (880-28352-6), (CCV 880-53335/20) and (880-28331-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: (CCV 880-53335/2) and (CCV 880-53335/20). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-86 0-4.1' (880-28352-3) and (880-28331-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53456 and analytical batch 880-53447 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-53447/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-53447/20). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-53447/31). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Client Sample ID: C-84 0-1'

Lab Sample ID: 880-28352-1

Date Collected: 05/11/23 11:10

Matrix: Solid

Date Received: 05/12/23 09:09

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/12/23 10:03	05/15/23 21:17	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/12/23 10:03	05/15/23 21:17	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/12/23 10:03	05/15/23 21:17	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/12/23 10:03	05/15/23 21:17	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/12/23 10:03	05/15/23 21:17	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/12/23 10:03	05/15/23 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	05/12/23 10:03	05/15/23 21:17	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/12/23 10:03	05/15/23 21:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/16/23 16:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	154		50.0	mg/Kg			05/17/23 10:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/16/23 08:49	05/16/23 14:11	1
Diesel Range Organics (Over C10-C28)	154		50.0	mg/Kg		05/16/23 08:49	05/16/23 14:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/16/23 08:49	05/16/23 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130	05/16/23 08:49	05/16/23 14:11	1
o-Terphenyl (Surr)	100		70 - 130	05/16/23 08:49	05/16/23 14:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1720		24.8	mg/Kg			05/17/23 21:24	5

Client Sample ID: C-85 0-0.5'

Lab Sample ID: 880-28352-2

Date Collected: 05/11/23 11:15

Matrix: Solid

Date Received: 05/12/23 09:09

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 21:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 21:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 21:43	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/12/23 10:03	05/15/23 21:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 21:43	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/12/23 10:03	05/15/23 21:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	05/12/23 10:03	05/15/23 21:43	1
1,4-Difluorobenzene (Surr)	83		70 - 130	05/12/23 10:03	05/15/23 21:43	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Client Sample ID: C-85 0-0.5'

Lab Sample ID: 880-28352-2

Date Collected: 05/11/23 11:15

Matrix: Solid

Date Received: 05/12/23 09:09

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/16/23 16:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	307		49.8	mg/Kg			05/17/23 10:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/16/23 08:49	05/16/23 14:32	1
Diesel Range Organics (Over C10-C28)	307		49.8	mg/Kg		05/16/23 08:49	05/16/23 14:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/16/23 08:49	05/16/23 14:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			05/16/23 08:49	05/16/23 14:32	1
o-Terphenyl (Surr)	125		70 - 130			05/16/23 08:49	05/16/23 14:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	862		5.03	mg/Kg			05/17/23 21:40	1

Client Sample ID: C-86 0-4.1'

Lab Sample ID: 880-28352-3

Date Collected: 05/11/23 11:20

Matrix: Solid

Date Received: 05/12/23 09:09

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 22:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 22:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 22:09	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/12/23 10:03	05/15/23 22:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 22:09	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/12/23 10:03	05/15/23 22:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130			05/12/23 10:03	05/15/23 22:09	1
1,4-Difluorobenzene (Surr)	90		70 - 130			05/12/23 10:03	05/15/23 22:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/16/23 16:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.4		49.9	mg/Kg			05/17/23 10:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/16/23 08:49	05/16/23 14:54	1
Diesel Range Organics (Over C10-C28)	52.4		49.9	mg/Kg		05/16/23 08:49	05/16/23 14:54	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Client Sample ID: C-86 0-4.1'

Lab Sample ID: 880-28352-3

Date Collected: 05/11/23 11:20

Matrix: Solid

Date Received: 05/12/23 09:09

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/16/23 08:49	05/16/23 14:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			05/16/23 08:49	05/16/23 14:54	1
o-Terphenyl (Surr)	117		70 - 130			05/16/23 08:49	05/16/23 14:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1050		4.97	mg/Kg			05/17/23 21:45	1

Client Sample ID: C-87 0-1'

Lab Sample ID: 880-28352-4

Date Collected: 05/11/23 11:25

Matrix: Solid

Date Received: 05/12/23 09:09

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/12/23 10:03	05/15/23 22:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/12/23 10:03	05/15/23 22:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/12/23 10:03	05/15/23 22:35	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/12/23 10:03	05/15/23 22:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/12/23 10:03	05/15/23 22:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/12/23 10:03	05/15/23 22:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130			05/12/23 10:03	05/15/23 22:35	1
1,4-Difluorobenzene (Surr)	86		70 - 130			05/12/23 10:03	05/15/23 22:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/16/23 16:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/17/23 10:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/16/23 08:49	05/16/23 15:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/16/23 08:49	05/16/23 15:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/16/23 08:49	05/16/23 15:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			05/16/23 08:49	05/16/23 15:15	1
o-Terphenyl (Surr)	108		70 - 130			05/16/23 08:49	05/16/23 15:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		5.02	mg/Kg			05/17/23 21:51	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Client Sample ID: C-88 0-2'

Lab Sample ID: 880-28352-5

Date Collected: 05/11/23 11:30

Matrix: Solid

Date Received: 05/12/23 09:09

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/12/23 10:03	05/15/23 23:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/12/23 10:03	05/15/23 23:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/12/23 10:03	05/15/23 23:02	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/12/23 10:03	05/15/23 23:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/12/23 10:03	05/15/23 23:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/12/23 10:03	05/15/23 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130	05/12/23 10:03	05/15/23 23:02	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/12/23 10:03	05/15/23 23:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/16/23 16:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/17/23 10:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/16/23 08:49	05/16/23 15:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/16/23 08:49	05/16/23 15:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/16/23 08:49	05/16/23 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	05/16/23 08:49	05/16/23 15:58	1
o-Terphenyl (Surr)	110		70 - 130	05/16/23 08:49	05/16/23 15:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	325		5.04	mg/Kg			05/17/23 21:56	1

Client Sample ID: C-89 0-2'

Lab Sample ID: 880-28352-6

Date Collected: 05/11/23 11:35

Matrix: Solid

Date Received: 05/12/23 09:09

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 23:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 23:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 23:28	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/12/23 10:03	05/15/23 23:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 23:28	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/12/23 10:03	05/15/23 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	05/12/23 10:03	05/15/23 23:28	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/12/23 10:03	05/15/23 23:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Client Sample ID: C-89 0-2'

Lab Sample ID: 880-28352-6

Date Collected: 05/11/23 11:35

Matrix: Solid

Date Received: 05/12/23 09:09

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/16/23 16:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/17/23 10:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/16/23 08:49	05/16/23 16:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/16/23 08:49	05/16/23 16:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/16/23 08:49	05/16/23 16:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			05/16/23 08:49	05/16/23 16:20	1
o-Terphenyl (Surr)	108		70 - 130			05/16/23 08:49	05/16/23 16:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		4.98	mg/Kg			05/17/23 22:12	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

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)
880-28352-1	C-84 0-1'	148 S1+	86
880-28352-2	C-85 0-0.5'	142 S1+	83
880-28352-3	C-86 0-4.1'	145 S1+	90
880-28352-4	C-87 0-1'	140 S1+	86
880-28352-5	C-88 0-2'	147 S1+	86
880-28352-6	C-89 0-2'	144 S1+	82
LCS 880-53212/1-A	Lab Control Sample	108	93
LCSD 880-53212/2-A	Lab Control Sample Dup	109	83
MB 880-53212/5-A	Method Blank	81	79
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)
880-28352-1	C-84 0-1'	93	100
880-28352-2	C-85 0-0.5'	118	125
880-28352-3	C-86 0-4.1'	103	117
880-28352-4	C-87 0-1'	98	108
880-28352-5	C-88 0-2'	98	110
880-28352-6	C-89 0-2'	100	108
LCS 880-53456/2-A	Lab Control Sample	103	118
LCSD 880-53456/3-A	Lab Control Sample Dup	95	112
MB 880-53456/1-A	Method Blank	160 S1+	199 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-53212/5-A

Matrix: Solid

Analysis Batch: 53335

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53212

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 12:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 12:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 12:32	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/12/23 10:03	05/15/23 12:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/12/23 10:03	05/15/23 12:32	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/12/23 10:03	05/15/23 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	05/12/23 10:03	05/15/23 12:32	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/12/23 10:03	05/15/23 12:32	1

Lab Sample ID: LCS 880-53212/1-A

Matrix: Solid

Analysis Batch: 53335

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1128		mg/Kg		113	70 - 130
Toluene	0.100	0.1259		mg/Kg		126	70 - 130
Ethylbenzene	0.100	0.1136		mg/Kg		114	70 - 130
m,p-Xylenes	0.200	0.2573		mg/Kg		129	70 - 130
o-Xylene	0.100	0.1128		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-53212/2-A

Matrix: Solid

Analysis Batch: 53335

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53212

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1103		mg/Kg		110	70 - 130	2	35
Toluene	0.100	0.1239		mg/Kg		124	70 - 130	2	35
Ethylbenzene	0.100	0.1118		mg/Kg		112	70 - 130	2	35
m,p-Xylenes	0.200	0.2518		mg/Kg		126	70 - 130	2	35
o-Xylene	0.100	0.1115		mg/Kg		111	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

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

Lab Sample ID: MB 880-53456/1-A

Matrix: Solid

Analysis Batch: 53447

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53456

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		05/16/23 08:49	05/16/23 08:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/16/23 08:49	05/16/23 08:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/16/23 08:49	05/16/23 08:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	160	S1+	70 - 130			05/16/23 08:49	05/16/23 08:50	1
o-Terphenyl (Surr)	199	S1+	70 - 130			05/16/23 08:49	05/16/23 08:50	1

Lab Sample ID: LCS 880-53456/2-A

Matrix: Solid

Analysis Batch: 53447

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	787.2		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	1000	936.8		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	103		70 - 130				
o-Terphenyl (Surr)	118		70 - 130				

Lab Sample ID: LCSD 880-53456/3-A

Matrix: Solid

Analysis Batch: 53447

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53456

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	879.2		mg/Kg		88	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	930.5		mg/Kg		93	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	95		70 - 130						
o-Terphenyl (Surr)	112		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53277/1-A

Matrix: Solid

Analysis Batch: 53576

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			05/17/23 21:08	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-53277/2-A
Matrix: Solid
Analysis Batch: 53576

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.6		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-53277/3-A
Matrix: Solid
Analysis Batch: 53576

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	242.9		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-28352-1 MS
Matrix: Solid
Analysis Batch: 53576

Client Sample ID: C-84 0-1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1720		1240	2964		mg/Kg		101	90 - 110

Lab Sample ID: 880-28352-1 MSD
Matrix: Solid
Analysis Batch: 53576

Client Sample ID: C-84 0-1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1720		1240	2968		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

GC VOA

Prep Batch: 53212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28352-1	C-84 0-1'	Total/NA	Solid	5035	
880-28352-2	C-85 0-0.5'	Total/NA	Solid	5035	
880-28352-3	C-86 0-4.1'	Total/NA	Solid	5035	
880-28352-4	C-87 0-1'	Total/NA	Solid	5035	
880-28352-5	C-88 0-2'	Total/NA	Solid	5035	
880-28352-6	C-89 0-2'	Total/NA	Solid	5035	
MB 880-53212/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53212/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53212/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 53335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28352-1	C-84 0-1'	Total/NA	Solid	8021B	53212
880-28352-2	C-85 0-0.5'	Total/NA	Solid	8021B	53212
880-28352-3	C-86 0-4.1'	Total/NA	Solid	8021B	53212
880-28352-4	C-87 0-1'	Total/NA	Solid	8021B	53212
880-28352-5	C-88 0-2'	Total/NA	Solid	8021B	53212
880-28352-6	C-89 0-2'	Total/NA	Solid	8021B	53212
MB 880-53212/5-A	Method Blank	Total/NA	Solid	8021B	53212
LCS 880-53212/1-A	Lab Control Sample	Total/NA	Solid	8021B	53212
LCSD 880-53212/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53212

Analysis Batch: 53528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28352-1	C-84 0-1'	Total/NA	Solid	Total BTEX	
880-28352-2	C-85 0-0.5'	Total/NA	Solid	Total BTEX	
880-28352-3	C-86 0-4.1'	Total/NA	Solid	Total BTEX	
880-28352-4	C-87 0-1'	Total/NA	Solid	Total BTEX	
880-28352-5	C-88 0-2'	Total/NA	Solid	Total BTEX	
880-28352-6	C-89 0-2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 53447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28352-1	C-84 0-1'	Total/NA	Solid	8015B NM	53456
880-28352-2	C-85 0-0.5'	Total/NA	Solid	8015B NM	53456
880-28352-3	C-86 0-4.1'	Total/NA	Solid	8015B NM	53456
880-28352-4	C-87 0-1'	Total/NA	Solid	8015B NM	53456
880-28352-5	C-88 0-2'	Total/NA	Solid	8015B NM	53456
880-28352-6	C-89 0-2'	Total/NA	Solid	8015B NM	53456
MB 880-53456/1-A	Method Blank	Total/NA	Solid	8015B NM	53456
LCS 880-53456/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53456
LCSD 880-53456/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53456

Prep Batch: 53456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28352-1	C-84 0-1'	Total/NA	Solid	8015NM Prep	
880-28352-2	C-85 0-0.5'	Total/NA	Solid	8015NM Prep	
880-28352-3	C-86 0-4.1'	Total/NA	Solid	8015NM Prep	
880-28352-4	C-87 0-1'	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

GC Semi VOA (Continued)

Prep Batch: 53456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28352-5	C-88 0-2'	Total/NA	Solid	8015NM Prep	
880-28352-6	C-89 0-2'	Total/NA	Solid	8015NM Prep	
MB 880-53456/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53456/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53456/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28352-1	C-84 0-1'	Total/NA	Solid	8015 NM	
880-28352-2	C-85 0-0.5'	Total/NA	Solid	8015 NM	
880-28352-3	C-86 0-4.1'	Total/NA	Solid	8015 NM	
880-28352-4	C-87 0-1'	Total/NA	Solid	8015 NM	
880-28352-5	C-88 0-2'	Total/NA	Solid	8015 NM	
880-28352-6	C-89 0-2'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 53277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28352-1	C-84 0-1'	Soluble	Solid	DI Leach	
880-28352-2	C-85 0-0.5'	Soluble	Solid	DI Leach	
880-28352-3	C-86 0-4.1'	Soluble	Solid	DI Leach	
880-28352-4	C-87 0-1'	Soluble	Solid	DI Leach	
880-28352-5	C-88 0-2'	Soluble	Solid	DI Leach	
880-28352-6	C-89 0-2'	Soluble	Solid	DI Leach	
MB 880-53277/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53277/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53277/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28352-1 MS	C-84 0-1'	Soluble	Solid	DI Leach	
880-28352-1 MSD	C-84 0-1'	Soluble	Solid	DI Leach	

Analysis Batch: 53576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28352-1	C-84 0-1'	Soluble	Solid	300.0	53277
880-28352-2	C-85 0-0.5'	Soluble	Solid	300.0	53277
880-28352-3	C-86 0-4.1'	Soluble	Solid	300.0	53277
880-28352-4	C-87 0-1'	Soluble	Solid	300.0	53277
880-28352-5	C-88 0-2'	Soluble	Solid	300.0	53277
880-28352-6	C-89 0-2'	Soluble	Solid	300.0	53277
MB 880-53277/1-A	Method Blank	Soluble	Solid	300.0	53277
LCS 880-53277/2-A	Lab Control Sample	Soluble	Solid	300.0	53277
LCSD 880-53277/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53277
880-28352-1 MS	C-84 0-1'	Soluble	Solid	300.0	53277
880-28352-1 MSD	C-84 0-1'	Soluble	Solid	300.0	53277

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Client Sample ID: C-84 0-1'

Lab Sample ID: 880-28352-1

Date Collected: 05/11/23 11:10

Matrix: Solid

Date Received: 05/12/23 09:09

Prep 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	53212	05/12/23 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53335	05/15/23 21:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53528	05/16/23 16:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			53579	05/17/23 10:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53456	05/16/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53447	05/16/23 14:11	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53277	05/12/23 15:19	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	53576	05/17/23 21:24	CH	EET MID

Client Sample ID: C-85 0-0.5'

Lab Sample ID: 880-28352-2

Date Collected: 05/11/23 11:15

Matrix: Solid

Date Received: 05/12/23 09:09

Prep 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	53212	05/12/23 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53335	05/15/23 21:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53528	05/16/23 16:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			53579	05/17/23 10:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53456	05/16/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53447	05/16/23 14:32	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53277	05/12/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53576	05/17/23 21:40	CH	EET MID

Client Sample ID: C-86 0-4.1'

Lab Sample ID: 880-28352-3

Date Collected: 05/11/23 11:20

Matrix: Solid

Date Received: 05/12/23 09:09

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	53212	05/12/23 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53335	05/15/23 22:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53528	05/16/23 16:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			53579	05/17/23 10:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53456	05/16/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53447	05/16/23 14:54	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53277	05/12/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53576	05/17/23 21:45	CH	EET MID

Client Sample ID: C-87 0-1'

Lab Sample ID: 880-28352-4

Date Collected: 05/11/23 11:25

Matrix: Solid

Date Received: 05/12/23 09:09

Prep 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	53212	05/12/23 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53335	05/15/23 22:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53528	05/16/23 16:45	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Client Sample ID: C-87 0-1'

Lab Sample ID: 880-28352-4

Date Collected: 05/11/23 11:25

Matrix: Solid

Date Received: 05/12/23 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53579	05/17/23 10:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53456	05/16/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53447	05/16/23 15:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53277	05/12/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53576	05/17/23 21:51	CH	EET MID

Client Sample ID: C-88 0-2'

Lab Sample ID: 880-28352-5

Date Collected: 05/11/23 11:30

Matrix: Solid

Date Received: 05/12/23 09:09

Prep 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	53212	05/12/23 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53335	05/15/23 23:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53528	05/16/23 16:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			53579	05/17/23 10:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53456	05/16/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53447	05/16/23 15:58	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	53277	05/12/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53576	05/17/23 21:56	CH	EET MID

Client Sample ID: C-89 0-2'

Lab Sample ID: 880-28352-6

Date Collected: 05/11/23 11:35

Matrix: Solid

Date Received: 05/12/23 09:09

Prep 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	53212	05/12/23 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53335	05/15/23 23:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53528	05/16/23 16:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			53579	05/17/23 10:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53456	05/16/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53447	05/16/23 16:20	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53277	05/12/23 15:19	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53576	05/17/23 22:12	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Laboratory: Eurofins Midland

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

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

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

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

- 1
- 2
- 3
- 4
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- 12
- 13
- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: SD 2413 Fed P415

Job ID: 880-28352-1
SDG: 22-0105-13

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28352-1	C-84 0-1'	Solid	05/11/23 11:10	05/12/23 09:09
880-28352-2	C-85 0-0.5'	Solid	05/11/23 11:15	05/12/23 09:09
880-28352-3	C-86 0-4.1'	Solid	05/11/23 11:20	05/12/23 09:09
880-28352-4	C-87 0-1'	Solid	05/11/23 11:25	05/12/23 09:09
880-28352-5	C-88 0-2'	Solid	05/11/23 11:30	05/12/23 09:09
880-28352-6	C-89 0-2'	Solid	05/11/23 11:35	05/12/23 09:09



Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-28352-1

SDG Number: 22-0105-13

Login Number: 28352

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/31/2023 3:20:56 PM

JOB DESCRIPTION

SD 24 13 Fed P415
SDG NUMBER 23-0105-13

JOB NUMBER

880-30699-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

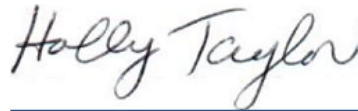
Eurofins Midland

Job Notes

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

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

Authorization



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7/31/2023 3:20:56 PM

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

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Laboratory Job ID: 880-30699-1
SDG: 23-0105-13

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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.
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 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Job ID: 880-30699-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-30699-1****Receipt**

The samples were received on 7/13/2023 11:46 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 -2.6° C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-1, 4.1' (880-30699-1), C-4, 4.1' (880-30699-2), C-82, 0-4.1' (880-30699-3), C-2, 4.1' (880-30699-4), C-3, 4.1' (880-30699-5), C-6, 4.1' (880-30699-6), C-19, 2' (880-30699-7), C-24, 2' (880-30699-8), C-29, 2' (880-30699-9), C-85, 0-2' (880-30699-10), C-22, 4.1' (880-30699-11), C-21, 4.1' (880-30699-12), C-18, 4.1' (880-30699-13), C-13, 4.1' (880-30699-14), C-17, 4.1' (880-30699-15), C-14, 4.1' (880-30699-16) and C-10, 4.1' (880-30699-17).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58286 recovered above the upper control limit for Benzene. 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 880-58286/2) and (CCV 880-58286/33).

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-85, 0-2' (880-30699-10). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

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

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-57620 and analytical batch 880-57779 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-57717 and analytical batch 880-57906 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-1, 4.1'

Lab Sample ID: 880-30699-1

Date Collected: 07/10/23 14:03

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/14/23 09:48	07/14/23 20:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/14/23 09:48	07/14/23 20:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/14/23 09:48	07/14/23 20:15	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		07/14/23 09:48	07/14/23 20:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/14/23 09:48	07/14/23 20:15	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/14/23 09:48	07/14/23 20:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	07/14/23 09:48	07/14/23 20:15	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/14/23 09:48	07/14/23 20:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/17/23 14:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	389		50.5	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		07/24/23 11:52	07/28/23 12:44	1
Diesel Range Organics (Over C10-C28)	389		50.5	mg/Kg		07/24/23 11:52	07/28/23 12:44	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/24/23 11:52	07/28/23 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	07/24/23 11:52	07/28/23 12:44	1
o-Terphenyl (Surr)	108		70 - 130	07/24/23 11:52	07/28/23 12:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1340		24.9	mg/Kg			07/15/23 05:44	5

Client Sample ID: C-4, 4.1'

Lab Sample ID: 880-30699-2

Date Collected: 07/10/23 14:05

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/23/23 09:31	07/23/23 12:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/23/23 09:31	07/23/23 12:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/23/23 09:31	07/23/23 12:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/23/23 09:31	07/23/23 12:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/23/23 09:31	07/23/23 12:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/23/23 09:31	07/23/23 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	07/23/23 09:31	07/23/23 12:53	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/23/23 09:31	07/23/23 12:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-4, 4.1'

Lab Sample ID: 880-30699-2

Date Collected: 07/10/23 14:05

Matrix: Solid

Date Received: 07/13/23 11:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	155		49.7	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		07/24/23 11:52	07/28/23 13:06	1
Diesel Range Organics (Over C10-C28)	155		49.7	mg/Kg		07/24/23 11:52	07/28/23 13:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/24/23 11:52	07/28/23 13:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			07/24/23 11:52	07/28/23 13:06	1
o-Terphenyl (Surr)	94		70 - 130			07/24/23 11:52	07/28/23 13:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		5.01	mg/Kg			07/17/23 15:16	1

Client Sample ID: C-82, 0-4.1'

Lab Sample ID: 880-30699-3

Date Collected: 07/10/23 14:10

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/23/23 09:31	07/23/23 13:13	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/23/23 09:31	07/23/23 13:13	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/23/23 09:31	07/23/23 13:13	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		07/23/23 09:31	07/23/23 13:13	1
o-Xylene	0.00631		0.00202	mg/Kg		07/23/23 09:31	07/23/23 13:13	1
Xylenes, Total	0.00631		0.00404	mg/Kg		07/23/23 09:31	07/23/23 13:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			07/23/23 09:31	07/23/23 13:13	1
1,4-Difluorobenzene (Surr)	82		70 - 130			07/23/23 09:31	07/23/23 13:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00631		0.00404	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/24/23 11:52	07/28/23 13:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/24/23 11:52	07/28/23 13:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-82, 0-4.1'

Lab Sample ID: 880-30699-3

Date Collected: 07/10/23 14:10

Matrix: Solid

Date Received: 07/13/23 11:46

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/24/23 11:52	07/28/23 13:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			07/24/23 11:52	07/28/23 13:28	1
o-Terphenyl (Surr)	104		70 - 130			07/24/23 11:52	07/28/23 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	451		4.98	mg/Kg			07/17/23 15:31	1

Client Sample ID: C-2, 4.1'

Lab Sample ID: 880-30699-4

Date Collected: 07/11/23 08:00

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/23/23 09:31	07/23/23 13:34	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/23/23 09:31	07/23/23 13:34	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/23/23 09:31	07/23/23 13:34	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/23/23 09:31	07/23/23 13:34	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/23/23 09:31	07/23/23 13:34	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/23/23 09:31	07/23/23 13:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			07/23/23 09:31	07/23/23 13:34	1
1,4-Difluorobenzene (Surr)	80		70 - 130			07/23/23 09:31	07/23/23 13:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/24/23 11:52	07/28/23 13:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/24/23 11:52	07/28/23 13:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/24/23 11:52	07/28/23 13:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			07/24/23 11:52	07/28/23 13:50	1
o-Terphenyl (Surr)	92		70 - 130			07/24/23 11:52	07/28/23 13:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3620		24.9	mg/Kg			07/17/23 15:36	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-3, 4.1'

Lab Sample ID: 880-30699-5

Date Collected: 07/11/23 08:05

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 13:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 13:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 13:54	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/23/23 09:31	07/23/23 13:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 13:54	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/23/23 09:31	07/23/23 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	07/23/23 09:31	07/23/23 13:54	1
1,4-Difluorobenzene (Surr)	74		70 - 130	07/23/23 09:31	07/23/23 13:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		07/24/23 11:52	07/28/23 14:13	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/24/23 11:52	07/28/23 14:13	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/24/23 11:52	07/28/23 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	07/24/23 11:52	07/28/23 14:13	1
o-Terphenyl (Surr)	108		70 - 130	07/24/23 11:52	07/28/23 14:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2490		25.1	mg/Kg			07/17/23 15:41	5

Client Sample ID: C-6, 4.1'

Lab Sample ID: 880-30699-6

Date Collected: 07/11/23 08:10

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/23/23 09:31	07/23/23 14:15	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/23/23 09:31	07/23/23 14:15	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/23/23 09:31	07/23/23 14:15	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		07/23/23 09:31	07/23/23 14:15	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/23/23 09:31	07/23/23 14:15	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/23/23 09:31	07/23/23 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/23/23 09:31	07/23/23 14:15	1
1,4-Difluorobenzene (Surr)	72		70 - 130	07/23/23 09:31	07/23/23 14:15	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-6, 4.1'

Lab Sample ID: 880-30699-6

Date Collected: 07/11/23 08:10

Matrix: Solid

Date Received: 07/13/23 11:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5	mg/Kg		07/24/23 11:52	07/28/23 14:35	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5	mg/Kg		07/24/23 11:52	07/28/23 14:35	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5	mg/Kg		07/24/23 11:52	07/28/23 14:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			07/24/23 11:52	07/28/23 14:35	1
o-Terphenyl (Surr)	93		70 - 130			07/24/23 11:52	07/28/23 14:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	512		4.95	mg/Kg			07/17/23 15:46	1

Client Sample ID: C-19, 2'

Lab Sample ID: 880-30699-7

Date Collected: 07/11/23 08:15

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/23/23 09:31	07/23/23 14:35	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/23/23 09:31	07/23/23 14:35	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/23/23 09:31	07/23/23 14:35	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/23/23 09:31	07/23/23 14:35	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/23/23 09:31	07/23/23 14:35	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/23/23 09:31	07/23/23 14:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			07/23/23 09:31	07/23/23 14:35	1
1,4-Difluorobenzene (Surr)	75		70 - 130			07/23/23 09:31	07/23/23 14:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/24/23 11:52	07/28/23 14:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/24/23 11:52	07/28/23 14:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-19, 2'

Lab Sample ID: 880-30699-7

Date Collected: 07/11/23 08:15

Matrix: Solid

Date Received: 07/13/23 11:46

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/24/23 11:52	07/28/23 14:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			07/24/23 11:52	07/28/23 14:57	1
o-Terphenyl (Surr)	92		70 - 130			07/24/23 11:52	07/28/23 14:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.0		5.04	mg/Kg			07/17/23 16:01	1

Client Sample ID: C-24, 2'

Lab Sample ID: 880-30699-8

Date Collected: 07/11/23 08:20

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 14:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 14:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 14:56	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		07/23/23 09:31	07/23/23 14:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 14:56	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/23/23 09:31	07/23/23 14:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			07/23/23 09:31	07/23/23 14:56	1
1,4-Difluorobenzene (Surr)	75		70 - 130			07/23/23 09:31	07/23/23 14:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		07/24/23 11:52	07/28/23 15:41	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		07/24/23 11:52	07/28/23 15:41	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		07/24/23 11:52	07/28/23 15:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			07/24/23 11:52	07/28/23 15:41	1
o-Terphenyl (Surr)	91		70 - 130			07/24/23 11:52	07/28/23 15:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	444		4.99	mg/Kg			07/17/23 16:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-29, 2'

Lab Sample ID: 880-30699-9

Date Collected: 07/11/23 08:25

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 15:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 15:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 15:16	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/23/23 09:31	07/23/23 15:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 15:16	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/23/23 09:31	07/23/23 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	07/23/23 09:31	07/23/23 15:16	1
1,4-Difluorobenzene (Surr)	71		70 - 130	07/23/23 09:31	07/23/23 15:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		07/24/23 11:52	07/28/23 16:03	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		07/24/23 11:52	07/28/23 16:03	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		07/24/23 11:52	07/28/23 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	07/24/23 11:52	07/28/23 16:03	1
o-Terphenyl (Surr)	96		70 - 130	07/24/23 11:52	07/28/23 16:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	411		4.98	mg/Kg			07/17/23 16:11	1

Client Sample ID: C-85, 0-2'

Lab Sample ID: 880-30699-10

Date Collected: 07/11/23 10:00

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/23/23 09:31	07/23/23 15:37	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/23/23 09:31	07/23/23 15:37	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/23/23 09:31	07/23/23 15:37	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/23/23 09:31	07/23/23 15:37	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/23/23 09:31	07/23/23 15:37	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/23/23 09:31	07/23/23 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/23/23 09:31	07/23/23 15:37	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	07/23/23 09:31	07/23/23 15:37	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-85, 0-2'

Lab Sample ID: 880-30699-10

Date Collected: 07/11/23 10:00

Matrix: Solid

Date Received: 07/13/23 11:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/24/23 11:52	07/28/23 16:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		07/24/23 11:52	07/28/23 16:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/24/23 11:52	07/28/23 16:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			07/24/23 11:52	07/28/23 16:26	1
o-Terphenyl (Surr)	95		70 - 130			07/24/23 11:52	07/28/23 16:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	492		4.96	mg/Kg			07/17/23 16:16	1

Client Sample ID: C-22, 4.1

Lab Sample ID: 880-30699-11

Date Collected: 07/12/23 08:00

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 15:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 15:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 15:57	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		07/23/23 09:31	07/23/23 15:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 15:57	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/23/23 09:31	07/23/23 15:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			07/23/23 09:31	07/23/23 15:57	1
1,4-Difluorobenzene (Surr)	72		70 - 130			07/23/23 09:31	07/23/23 15:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		07/24/23 11:52	07/28/23 16:48	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		07/24/23 11:52	07/28/23 16:48	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-22, 4.1

Lab Sample ID: 880-30699-11

Date Collected: 07/12/23 08:00

Matrix: Solid

Date Received: 07/13/23 11:46

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		07/24/23 11:52	07/28/23 16:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			07/24/23 11:52	07/28/23 16:48	1
o-Terphenyl (Surr)	89		70 - 130			07/24/23 11:52	07/28/23 16:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	413		5.02	mg/Kg			07/17/23 16:21	1

Client Sample ID: C-21, 4.1

Lab Sample ID: 880-30699-12

Date Collected: 07/12/23 08:10

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/23/23 09:31	07/23/23 17:20	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/23/23 09:31	07/23/23 17:20	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/23/23 09:31	07/23/23 17:20	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		07/23/23 09:31	07/23/23 17:20	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/23/23 09:31	07/23/23 17:20	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		07/23/23 09:31	07/23/23 17:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			07/23/23 09:31	07/23/23 17:20	1
1,4-Difluorobenzene (Surr)	76		70 - 130			07/23/23 09:31	07/23/23 17:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/24/23 11:52	07/28/23 17:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/24/23 11:52	07/28/23 17:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/24/23 11:52	07/28/23 17:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			07/24/23 11:52	07/28/23 17:10	1
o-Terphenyl (Surr)	103		70 - 130			07/24/23 11:52	07/28/23 17:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	273		4.97	mg/Kg			07/17/23 16:26	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-18, 4.1

Lab Sample ID: 880-30699-13

Date Collected: 07/12/23 08:20

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 17:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 17:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 17:40	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/23/23 09:31	07/23/23 17:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 17:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/23/23 09:31	07/23/23 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	07/23/23 09:31	07/23/23 17:40	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/23/23 09:31	07/23/23 17:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		07/24/23 11:52	07/28/23 17:32	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		07/24/23 11:52	07/28/23 17:32	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		07/24/23 11:52	07/28/23 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	07/24/23 11:52	07/28/23 17:32	1
o-Terphenyl (Surr)	87		70 - 130	07/24/23 11:52	07/28/23 17:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.0		5.00	mg/Kg			07/17/23 16:41	1

Client Sample ID: C-13, 4.1

Lab Sample ID: 880-30699-14

Date Collected: 07/12/23 08:30

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/23/23 09:31	07/23/23 18:01	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/23/23 09:31	07/23/23 18:01	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/23/23 09:31	07/23/23 18:01	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/23/23 09:31	07/23/23 18:01	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/23/23 09:31	07/23/23 18:01	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/23/23 09:31	07/23/23 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/23/23 09:31	07/23/23 18:01	1
1,4-Difluorobenzene (Surr)	74		70 - 130	07/23/23 09:31	07/23/23 18:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-13, 4.1

Lab Sample ID: 880-30699-14

Date Collected: 07/12/23 08:30

Matrix: Solid

Date Received: 07/13/23 11:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		07/24/23 11:52	07/28/23 17:54	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		07/24/23 11:52	07/28/23 17:54	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		07/24/23 11:52	07/28/23 17:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			07/24/23 11:52	07/28/23 17:54	1
o-Terphenyl (Surr)	109		70 - 130			07/24/23 11:52	07/28/23 17:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	224		4.99	mg/Kg			07/17/23 16:46	1

Client Sample ID: C-17, 4.1

Lab Sample ID: 880-30699-15

Date Collected: 07/12/23 08:40

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 18:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 18:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 18:21	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/23/23 09:31	07/23/23 18:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 18:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/23/23 09:31	07/23/23 18:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			07/23/23 09:31	07/23/23 18:21	1
1,4-Difluorobenzene (Surr)	71		70 - 130			07/23/23 09:31	07/23/23 18:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		07/24/23 11:52	07/28/23 18:16	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		07/24/23 11:52	07/28/23 18:16	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-17, 4.1

Lab Sample ID: 880-30699-15

Date Collected: 07/12/23 08:40

Matrix: Solid

Date Received: 07/13/23 11:46

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		07/24/23 11:52	07/28/23 18:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			07/24/23 11:52	07/28/23 18:16	1
o-Terphenyl (Surr)	103		70 - 130			07/24/23 11:52	07/28/23 18:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	446		5.01	mg/Kg			07/17/23 17:00	1

Client Sample ID: C-14, 4.1

Lab Sample ID: 880-30699-16

Date Collected: 07/12/23 08:50

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/23/23 09:31	07/23/23 18:42	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/23/23 09:31	07/23/23 18:42	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/23/23 09:31	07/23/23 18:42	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		07/23/23 09:31	07/23/23 18:42	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/23/23 09:31	07/23/23 18:42	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/23/23 09:31	07/23/23 18:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			07/23/23 09:31	07/23/23 18:42	1
1,4-Difluorobenzene (Surr)	71		70 - 130			07/23/23 09:31	07/23/23 18:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/24/23 11:52	07/28/23 18:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/24/23 11:52	07/28/23 18:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/24/23 11:52	07/28/23 18:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			07/24/23 11:52	07/28/23 18:38	1
o-Terphenyl (Surr)	97		70 - 130			07/24/23 11:52	07/28/23 18:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4030		25.2	mg/Kg			07/17/23 17:05	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-10, 4.1

Lab Sample ID: 880-30699-17

Date Collected: 07/12/23 09:00

Matrix: Solid

Date Received: 07/13/23 11:46

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/23/23 09:31	07/23/23 19:02	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/23/23 09:31	07/23/23 19:02	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/23/23 09:31	07/23/23 19:02	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/23/23 09:31	07/23/23 19:02	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/23/23 09:31	07/23/23 19:02	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/23/23 09:31	07/23/23 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/23/23 09:31	07/23/23 19:02	1
1,4-Difluorobenzene (Surr)	72		70 - 130	07/23/23 09:31	07/23/23 19:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/31/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		07/24/23 11:52	07/28/23 19:00	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/24/23 11:52	07/28/23 19:00	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/24/23 11:52	07/28/23 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130	07/24/23 11:52	07/28/23 19:00	1
o-Terphenyl (Surr)	103		70 - 130	07/24/23 11:52	07/28/23 19:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		5.00	mg/Kg			07/17/23 17:10	1

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-30699-1	C-1, 4.1'	130	87				
880-30699-2	C-4, 4.1'	78	93				
880-30699-2 MS	C-4, 4.1'	89	111				
880-30699-2 MSD	C-4, 4.1'	91	113				
880-30699-3	C-82, 0-4.1'	82	82				
880-30699-4	C-2, 4.1'	98	80				
880-30699-5	C-3, 4.1'	96	74				
880-30699-6	C-6, 4.1'	95	72				
880-30699-7	C-19, 2'	95	75				
880-30699-8	C-24, 2'	96	75				
880-30699-9	C-29, 2'	92	71				
880-30699-10	C-85, 0-2'	95	69 S1-				
880-30699-11	C-22, 4.1	95	72				
880-30699-12	C-21, 4.1	95	76				
880-30699-13	C-18, 4.1	77	86				
880-30699-14	C-13, 4.1	97	74				
880-30699-15	C-17, 4.1	98	71				
880-30699-16	C-14, 4.1	98	71				
880-30699-17	C-10, 4.1	98	72				
LCS 880-57673/1-A	Lab Control Sample	111	104				
LCS 880-58284/1-A	Lab Control Sample	85	111				
LCSD 880-57673/2-A	Lab Control Sample Dup	111	105				
LCSD 880-58284/2-A	Lab Control Sample Dup	92	108				
MB 880-57673/5-A	Method Blank	75	87				
MB 880-58284/5-A	Method Blank	73	91				

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-30699-1	C-1, 4.1'	120	108				
880-30699-2	C-4, 4.1'	105	94				
880-30699-3	C-82, 0-4.1'	116	104				
880-30699-4	C-2, 4.1'	102	92				
880-30699-5	C-3, 4.1'	120	108				
880-30699-6	C-6, 4.1'	105	93				
880-30699-7	C-19, 2'	104	92				
880-30699-8	C-24, 2'	105	91				
880-30699-9	C-29, 2'	108	96				
880-30699-10	C-85, 0-2'	108	95				
880-30699-11	C-22, 4.1	99	89				
880-30699-12	C-21, 4.1	116	103				
880-30699-13	C-18, 4.1	98	87				
880-30699-14	C-13, 4.1	119	109				

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

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)
880-30699-15	C-17, 4.1	114	103
880-30699-16	C-14, 4.1	105	97
880-30699-17	C-10, 4.1	112	103
LCS 880-58354/2-A	Lab Control Sample	106	100
LCSD 880-58354/3-A	Lab Control Sample Dup	97	90
MB 880-58354/1-A	Method Blank	161 S1+	150 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-57673/5-A

Matrix: Solid

Analysis Batch: 57653

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57673

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/14/23 09:48	07/14/23 12:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/14/23 09:48	07/14/23 12:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/14/23 09:48	07/14/23 12:21	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/14/23 09:48	07/14/23 12:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/14/23 09:48	07/14/23 12:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/14/23 09:48	07/14/23 12:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	07/14/23 09:48	07/14/23 12:21	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/14/23 09:48	07/14/23 12:21	1

Lab Sample ID: LCS 880-57673/1-A

Matrix: Solid

Analysis Batch: 57653

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 57673

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1143		mg/Kg		114	70 - 130
Toluene	0.100	0.09925		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1123		mg/Kg		112	70 - 130
m,p-Xylenes	0.200	0.2313		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1134		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-57673/2-A

Matrix: Solid

Analysis Batch: 57653

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 57673

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1144		mg/Kg		114	70 - 130	0	35
Toluene	0.100	0.09657		mg/Kg		97	70 - 130	3	35
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130	3	35
m,p-Xylenes	0.200	0.2190		mg/Kg		110	70 - 130	5	35
o-Xylene	0.100	0.1063		mg/Kg		106	70 - 130	6	35

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

Lab Sample ID: MB 880-58284/5-A

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58284

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 12:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 12:31	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

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

Lab Sample ID: MB 880-58284/5-A

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58284

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 12:31	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/23/23 09:31	07/23/23 12:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 12:31	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/23/23 09:31	07/23/23 12:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	07/23/23 09:31	07/23/23 12:31	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/23/23 09:31	07/23/23 12:31	1

Lab Sample ID: LCS 880-58284/1-A

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58284

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.1275		mg/Kg		128	70 - 130
Toluene	0.100	0.09515		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09344		mg/Kg		93	70 - 130
m,p-Xylenes	0.200	0.1844		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09659		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-58284/2-A

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58284

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1202		mg/Kg		120	70 - 130	6	35
Toluene	0.100	0.09179		mg/Kg		92	70 - 130	4	35
Ethylbenzene	0.100	0.09322		mg/Kg		93	70 - 130	0	35
m,p-Xylenes	0.200	0.1857		mg/Kg		93	70 - 130	1	35
o-Xylene	0.100	0.09554		mg/Kg		96	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-30699-2 MS

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: C-4, 4.1'

Prep Type: Total/NA

Prep Batch: 58284

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00199	U	0.0994	0.1200		mg/Kg		121	70 - 130
Toluene	<0.00199	U	0.0994	0.08894		mg/Kg		89	70 - 130
Ethylbenzene	<0.00199	U	0.0994	0.08556		mg/Kg		86	70 - 130
m,p-Xylenes	<0.00398	U	0.199	0.1686		mg/Kg		85	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

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

Lab Sample ID: 880-30699-2 MS

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: C-4, 4.1'

Prep Type: Total/NA

Prep Batch: 58284

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00199	U	0.0994	0.08537		mg/Kg		86	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		70 - 130						
1,4-Difluorobenzene (Surr)	111		70 - 130						

Lab Sample ID: 880-30699-2 MSD

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: C-4, 4.1'

Prep Type: Total/NA

Prep Batch: 58284

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	0.1258		mg/Kg		126	70 - 130	5	35
Toluene	<0.00199	U	0.0998	0.09458		mg/Kg		95	70 - 130	6	35
Ethylbenzene	<0.00199	U	0.0998	0.09224		mg/Kg		92	70 - 130	8	35
m,p-Xylenes	<0.00398	U	0.200	0.1838		mg/Kg		92	70 - 130	9	35
o-Xylene	<0.00199	U	0.0998	0.09742		mg/Kg		98	70 - 130	13	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	91		70 - 130								
1,4-Difluorobenzene (Surr)	113		70 - 130								

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

Lab Sample ID: MB 880-58354/1-A

Matrix: Solid

Analysis Batch: 58684

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58354

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/24/23 11:52	07/28/23 08:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/24/23 11:52	07/28/23 08:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/24/23 11:52	07/28/23 08:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	161	S1+	70 - 130	07/24/23 11:52	07/28/23 08:15	1		
o-Terphenyl (Surr)	150	S1+	70 - 130	07/24/23 11:52	07/28/23 08:15	1		

Lab Sample ID: LCS 880-58354/2-A

Matrix: Solid

Analysis Batch: 58684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	907.1		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	917.8		mg/Kg		92	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

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

Lab Sample ID: LCS 880-58354/2-A

Matrix: Solid

Analysis Batch: 58684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58354

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-58354/3-A

Matrix: Solid

Analysis Batch: 58684

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58354

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	867.0		mg/Kg		87	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	889.5		mg/Kg		89	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-57620/1-A

Matrix: Solid

Analysis Batch: 57779

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/15/23 03:10	1

Lab Sample ID: LCS 880-57620/2-A

Matrix: Solid

Analysis Batch: 57779

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.7		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-57620/3-A

Matrix: Solid

Analysis Batch: 57779

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	255.6		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-57717/1-A

Matrix: Solid

Analysis Batch: 57906

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/17/23 15:01	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-57717/2-A

Matrix: Solid

Analysis Batch: 57906

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-57717/3-A

Matrix: Solid

Analysis Batch: 57906

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	248.5		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-30699-2 MS

Matrix: Solid

Analysis Batch: 57906

Client Sample ID: C-4, 4.1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1290		251	1458	4	mg/Kg		68	90 - 110		

Lab Sample ID: 880-30699-2 MSD

Matrix: Solid

Analysis Batch: 57906

Client Sample ID: C-4, 4.1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1290		251	1458	4	mg/Kg		68	90 - 110	0	20

Lab Sample ID: 880-30699-12 MS

Matrix: Solid

Analysis Batch: 57906

Client Sample ID: C-21, 4.1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	273		249	540.8		mg/Kg		108	90 - 110		

Lab Sample ID: 880-30699-12 MSD

Matrix: Solid

Analysis Batch: 57906

Client Sample ID: C-21, 4.1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	273		249	540.9		mg/Kg		108	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

GC VOA

Analysis Batch: 57653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-1	C-1, 4.1'	Total/NA	Solid	8021B	57673
MB 880-57673/5-A	Method Blank	Total/NA	Solid	8021B	57673
LCS 880-57673/1-A	Lab Control Sample	Total/NA	Solid	8021B	57673
LCSD 880-57673/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	57673

Prep Batch: 57673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-1	C-1, 4.1'	Total/NA	Solid	5035	
MB 880-57673/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-57673/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-57673/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 57857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-1	C-1, 4.1'	Total/NA	Solid	Total BTEX	
880-30699-2	C-4, 4.1'	Total/NA	Solid	Total BTEX	
880-30699-3	C-82, 0-4.1'	Total/NA	Solid	Total BTEX	
880-30699-4	C-2, 4.1'	Total/NA	Solid	Total BTEX	
880-30699-5	C-3, 4.1'	Total/NA	Solid	Total BTEX	
880-30699-6	C-6, 4.1'	Total/NA	Solid	Total BTEX	
880-30699-7	C-19, 2'	Total/NA	Solid	Total BTEX	
880-30699-8	C-24, 2'	Total/NA	Solid	Total BTEX	
880-30699-9	C-29, 2'	Total/NA	Solid	Total BTEX	
880-30699-10	C-85, 0-2'	Total/NA	Solid	Total BTEX	
880-30699-11	C-22, 4.1	Total/NA	Solid	Total BTEX	
880-30699-12	C-21, 4.1	Total/NA	Solid	Total BTEX	
880-30699-13	C-18, 4.1	Total/NA	Solid	Total BTEX	
880-30699-14	C-13, 4.1	Total/NA	Solid	Total BTEX	
880-30699-15	C-17, 4.1	Total/NA	Solid	Total BTEX	
880-30699-16	C-14, 4.1	Total/NA	Solid	Total BTEX	
880-30699-17	C-10, 4.1	Total/NA	Solid	Total BTEX	

Prep Batch: 58284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-2	C-4, 4.1'	Total/NA	Solid	5035	
880-30699-3	C-82, 0-4.1'	Total/NA	Solid	5035	
880-30699-4	C-2, 4.1'	Total/NA	Solid	5035	
880-30699-5	C-3, 4.1'	Total/NA	Solid	5035	
880-30699-6	C-6, 4.1'	Total/NA	Solid	5035	
880-30699-7	C-19, 2'	Total/NA	Solid	5035	
880-30699-8	C-24, 2'	Total/NA	Solid	5035	
880-30699-9	C-29, 2'	Total/NA	Solid	5035	
880-30699-10	C-85, 0-2'	Total/NA	Solid	5035	
880-30699-11	C-22, 4.1	Total/NA	Solid	5035	
880-30699-12	C-21, 4.1	Total/NA	Solid	5035	
880-30699-13	C-18, 4.1	Total/NA	Solid	5035	
880-30699-14	C-13, 4.1	Total/NA	Solid	5035	
880-30699-15	C-17, 4.1	Total/NA	Solid	5035	
880-30699-16	C-14, 4.1	Total/NA	Solid	5035	
880-30699-17	C-10, 4.1	Total/NA	Solid	5035	
MB 880-58284/5-A	Method Blank	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

GC VOA (Continued)

Prep Batch: 58284 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-58284/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58284/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30699-2 MS	C-4, 4.1'	Total/NA	Solid	5035	
880-30699-2 MSD	C-4, 4.1'	Total/NA	Solid	5035	

Analysis Batch: 58286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-2	C-4, 4.1'	Total/NA	Solid	8021B	58284
880-30699-3	C-82, 0-4.1'	Total/NA	Solid	8021B	58284
880-30699-4	C-2, 4.1'	Total/NA	Solid	8021B	58284
880-30699-5	C-3, 4.1'	Total/NA	Solid	8021B	58284
880-30699-6	C-6, 4.1'	Total/NA	Solid	8021B	58284
880-30699-7	C-19, 2'	Total/NA	Solid	8021B	58284
880-30699-8	C-24, 2'	Total/NA	Solid	8021B	58284
880-30699-9	C-29, 2'	Total/NA	Solid	8021B	58284
880-30699-10	C-85, 0-2'	Total/NA	Solid	8021B	58284
880-30699-11	C-22, 4.1	Total/NA	Solid	8021B	58284
880-30699-12	C-21, 4.1	Total/NA	Solid	8021B	58284
880-30699-13	C-18, 4.1	Total/NA	Solid	8021B	58284
880-30699-14	C-13, 4.1	Total/NA	Solid	8021B	58284
880-30699-15	C-17, 4.1	Total/NA	Solid	8021B	58284
880-30699-16	C-14, 4.1	Total/NA	Solid	8021B	58284
880-30699-17	C-10, 4.1	Total/NA	Solid	8021B	58284
MB 880-58284/5-A	Method Blank	Total/NA	Solid	8021B	58284
LCS 880-58284/1-A	Lab Control Sample	Total/NA	Solid	8021B	58284
LCSD 880-58284/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58284
880-30699-2 MS	C-4, 4.1'	Total/NA	Solid	8021B	58284
880-30699-2 MSD	C-4, 4.1'	Total/NA	Solid	8021B	58284

GC Semi VOA

Prep Batch: 58354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-1	C-1, 4.1'	Total/NA	Solid	8015NM Prep	
880-30699-2	C-4, 4.1'	Total/NA	Solid	8015NM Prep	
880-30699-3	C-82, 0-4.1'	Total/NA	Solid	8015NM Prep	
880-30699-4	C-2, 4.1'	Total/NA	Solid	8015NM Prep	
880-30699-5	C-3, 4.1'	Total/NA	Solid	8015NM Prep	
880-30699-6	C-6, 4.1'	Total/NA	Solid	8015NM Prep	
880-30699-7	C-19, 2'	Total/NA	Solid	8015NM Prep	
880-30699-8	C-24, 2'	Total/NA	Solid	8015NM Prep	
880-30699-9	C-29, 2'	Total/NA	Solid	8015NM Prep	
880-30699-10	C-85, 0-2'	Total/NA	Solid	8015NM Prep	
880-30699-11	C-22, 4.1	Total/NA	Solid	8015NM Prep	
880-30699-12	C-21, 4.1	Total/NA	Solid	8015NM Prep	
880-30699-13	C-18, 4.1	Total/NA	Solid	8015NM Prep	
880-30699-14	C-13, 4.1	Total/NA	Solid	8015NM Prep	
880-30699-15	C-17, 4.1	Total/NA	Solid	8015NM Prep	
880-30699-16	C-14, 4.1	Total/NA	Solid	8015NM Prep	
880-30699-17	C-10, 4.1	Total/NA	Solid	8015NM Prep	
MB 880-58354/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

GC Semi VOA (Continued)

Prep Batch: 58354 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-58354/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-58354/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 58684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-1	C-1, 4.1'	Total/NA	Solid	8015B NM	58354
880-30699-2	C-4, 4.1'	Total/NA	Solid	8015B NM	58354
880-30699-3	C-82, 0-4.1'	Total/NA	Solid	8015B NM	58354
880-30699-4	C-2, 4.1'	Total/NA	Solid	8015B NM	58354
880-30699-5	C-3, 4.1'	Total/NA	Solid	8015B NM	58354
880-30699-6	C-6, 4.1'	Total/NA	Solid	8015B NM	58354
880-30699-7	C-19, 2'	Total/NA	Solid	8015B NM	58354
880-30699-8	C-24, 2'	Total/NA	Solid	8015B NM	58354
880-30699-9	C-29, 2'	Total/NA	Solid	8015B NM	58354
880-30699-10	C-85, 0-2'	Total/NA	Solid	8015B NM	58354
880-30699-11	C-22, 4.1	Total/NA	Solid	8015B NM	58354
880-30699-12	C-21, 4.1	Total/NA	Solid	8015B NM	58354
880-30699-13	C-18, 4.1	Total/NA	Solid	8015B NM	58354
880-30699-14	C-13, 4.1	Total/NA	Solid	8015B NM	58354
880-30699-15	C-17, 4.1	Total/NA	Solid	8015B NM	58354
880-30699-16	C-14, 4.1	Total/NA	Solid	8015B NM	58354
880-30699-17	C-10, 4.1	Total/NA	Solid	8015B NM	58354
MB 880-58354/1-A	Method Blank	Total/NA	Solid	8015B NM	58354
LCS 880-58354/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	58354
LCSD 880-58354/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	58354

Analysis Batch: 58907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-1	C-1, 4.1'	Total/NA	Solid	8015 NM	
880-30699-2	C-4, 4.1'	Total/NA	Solid	8015 NM	
880-30699-3	C-82, 0-4.1'	Total/NA	Solid	8015 NM	
880-30699-4	C-2, 4.1'	Total/NA	Solid	8015 NM	
880-30699-5	C-3, 4.1'	Total/NA	Solid	8015 NM	
880-30699-6	C-6, 4.1'	Total/NA	Solid	8015 NM	
880-30699-7	C-19, 2'	Total/NA	Solid	8015 NM	
880-30699-8	C-24, 2'	Total/NA	Solid	8015 NM	
880-30699-9	C-29, 2'	Total/NA	Solid	8015 NM	
880-30699-10	C-85, 0-2'	Total/NA	Solid	8015 NM	
880-30699-11	C-22, 4.1	Total/NA	Solid	8015 NM	
880-30699-12	C-21, 4.1	Total/NA	Solid	8015 NM	
880-30699-13	C-18, 4.1	Total/NA	Solid	8015 NM	
880-30699-14	C-13, 4.1	Total/NA	Solid	8015 NM	
880-30699-15	C-17, 4.1	Total/NA	Solid	8015 NM	
880-30699-16	C-14, 4.1	Total/NA	Solid	8015 NM	
880-30699-17	C-10, 4.1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 57620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-1	C-1, 4.1'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

HPLC/IC (Continued)

Leach Batch: 57620 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-57620/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57620/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57620/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 57717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-2	C-4, 4.1'	Soluble	Solid	DI Leach	
880-30699-3	C-82, 0-4.1'	Soluble	Solid	DI Leach	
880-30699-4	C-2, 4.1'	Soluble	Solid	DI Leach	
880-30699-5	C-3, 4.1'	Soluble	Solid	DI Leach	
880-30699-6	C-6, 4.1'	Soluble	Solid	DI Leach	
880-30699-7	C-19, 2'	Soluble	Solid	DI Leach	
880-30699-8	C-24, 2'	Soluble	Solid	DI Leach	
880-30699-9	C-29, 2'	Soluble	Solid	DI Leach	
880-30699-10	C-85, 0-2'	Soluble	Solid	DI Leach	
880-30699-11	C-22, 4.1	Soluble	Solid	DI Leach	
880-30699-12	C-21, 4.1	Soluble	Solid	DI Leach	
880-30699-13	C-18, 4.1	Soluble	Solid	DI Leach	
880-30699-14	C-13, 4.1	Soluble	Solid	DI Leach	
880-30699-15	C-17, 4.1	Soluble	Solid	DI Leach	
880-30699-16	C-14, 4.1	Soluble	Solid	DI Leach	
880-30699-17	C-10, 4.1	Soluble	Solid	DI Leach	
MB 880-57717/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57717/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57717/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30699-2 MS	C-4, 4.1'	Soluble	Solid	DI Leach	
880-30699-2 MSD	C-4, 4.1'	Soluble	Solid	DI Leach	
880-30699-12 MS	C-21, 4.1	Soluble	Solid	DI Leach	
880-30699-12 MSD	C-21, 4.1	Soluble	Solid	DI Leach	

Analysis Batch: 57779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-1	C-1, 4.1'	Soluble	Solid	300.0	57717
MB 880-57620/1-A	Method Blank	Soluble	Solid	300.0	57620
LCS 880-57620/2-A	Lab Control Sample	Soluble	Solid	300.0	57620
LCSD 880-57620/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57620

Analysis Batch: 57906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-2	C-4, 4.1'	Soluble	Solid	300.0	57717
880-30699-3	C-82, 0-4.1'	Soluble	Solid	300.0	57717
880-30699-4	C-2, 4.1'	Soluble	Solid	300.0	57717
880-30699-5	C-3, 4.1'	Soluble	Solid	300.0	57717
880-30699-6	C-6, 4.1'	Soluble	Solid	300.0	57717
880-30699-7	C-19, 2'	Soluble	Solid	300.0	57717
880-30699-8	C-24, 2'	Soluble	Solid	300.0	57717
880-30699-9	C-29, 2'	Soluble	Solid	300.0	57717
880-30699-10	C-85, 0-2'	Soluble	Solid	300.0	57717
880-30699-11	C-22, 4.1	Soluble	Solid	300.0	57717
880-30699-12	C-21, 4.1	Soluble	Solid	300.0	57717
880-30699-13	C-18, 4.1	Soluble	Solid	300.0	57717

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

HPLC/IC (Continued)

Analysis Batch: 57906 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30699-14	C-13, 4.1	Soluble	Solid	300.0	57717
880-30699-15	C-17, 4.1	Soluble	Solid	300.0	57717
880-30699-16	C-14, 4.1	Soluble	Solid	300.0	57717
880-30699-17	C-10, 4.1	Soluble	Solid	300.0	57717
MB 880-57717/1-A	Method Blank	Soluble	Solid	300.0	57717
LCS 880-57717/2-A	Lab Control Sample	Soluble	Solid	300.0	57717
LCSD 880-57717/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57717
880-30699-2 MS	C-4, 4.1'	Soluble	Solid	300.0	57717
880-30699-2 MSD	C-4, 4.1'	Soluble	Solid	300.0	57717
880-30699-12 MS	C-21, 4.1	Soluble	Solid	300.0	57717
880-30699-12 MSD	C-21, 4.1	Soluble	Solid	300.0	57717

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-1, 4.1'

Lab Sample ID: 880-30699-1

Date Collected: 07/10/23 14:03

Matrix: Solid

Date Received: 07/13/23 11:46

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	57673	07/14/23 09:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57653	07/14/23 20:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/17/23 14:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 12:44	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57620	07/13/23 13:44	KS	EET MID
Soluble	Analysis	300.0		5			57779	07/15/23 05:44	CH	EET MID

Client Sample ID: C-4, 4.1'

Lab Sample ID: 880-30699-2

Date Collected: 07/10/23 14:05

Matrix: Solid

Date Received: 07/13/23 11:46

Prep 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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 12:53	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 13:06	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 15:16	CH	EET MID

Client Sample ID: C-82, 0-4.1'

Lab Sample ID: 880-30699-3

Date Collected: 07/10/23 14:10

Matrix: Solid

Date Received: 07/13/23 11:46

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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 13:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 13:28	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 15:31	CH	EET MID

Client Sample ID: C-2, 4.1'

Lab Sample ID: 880-30699-4

Date Collected: 07/11/23 08:00

Matrix: Solid

Date Received: 07/13/23 11:46

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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 13:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-2, 4.1'

Lab Sample ID: 880-30699-4

Date Collected: 07/11/23 08:00

Matrix: Solid

Date Received: 07/13/23 11:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 13:50	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		5			57906	07/17/23 15:36	CH	EET MID

Client Sample ID: C-3, 4.1'

Lab Sample ID: 880-30699-5

Date Collected: 07/11/23 08:05

Matrix: Solid

Date Received: 07/13/23 11:46

Prep 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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 13:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 14:13	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		5			57906	07/17/23 15:41	CH	EET MID

Client Sample ID: C-6, 4.1'

Lab Sample ID: 880-30699-6

Date Collected: 07/11/23 08:10

Matrix: Solid

Date Received: 07/13/23 11:46

Prep 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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 14:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 14:35	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 15:46	CH	EET MID

Client Sample ID: C-19, 2'

Lab Sample ID: 880-30699-7

Date Collected: 07/11/23 08:15

Matrix: Solid

Date Received: 07/13/23 11:46

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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 14:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 14:57	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-19, 2'**Lab Sample ID: 880-30699-7****Date Collected: 07/11/23 08:15****Matrix: Solid****Date Received: 07/13/23 11:46**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 16:01	CH	EET MID

Client Sample ID: C-24, 2'**Lab Sample ID: 880-30699-8****Date Collected: 07/11/23 08:20****Matrix: Solid****Date Received: 07/13/23 11:46**

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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 14:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 15:41	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 16:06	CH	EET MID

Client Sample ID: C-29, 2'**Lab Sample ID: 880-30699-9****Date Collected: 07/11/23 08:25****Matrix: Solid****Date Received: 07/13/23 11:46**

Prep 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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 15:16	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 16:03	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 16:11	CH	EET MID

Client Sample ID: C-85, 0-2'**Lab Sample ID: 880-30699-10****Date Collected: 07/11/23 10:00****Matrix: Solid****Date Received: 07/13/23 11:46**

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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 15:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 16:26	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 16:16	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-22, 4.1

Lab Sample ID: 880-30699-11

Date Collected: 07/12/23 08:00

Matrix: Solid

Date Received: 07/13/23 11:46

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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 15:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 16:48	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 16:21	CH	EET MID

Client Sample ID: C-21, 4.1

Lab Sample ID: 880-30699-12

Date Collected: 07/12/23 08:10

Matrix: Solid

Date Received: 07/13/23 11:46

Prep 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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 17:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 17:10	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 16:26	CH	EET MID

Client Sample ID: C-18, 4.1

Lab Sample ID: 880-30699-13

Date Collected: 07/12/23 08:20

Matrix: Solid

Date Received: 07/13/23 11:46

Prep 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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 17:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 17:32	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 16:41	CH	EET MID

Client Sample ID: C-13, 4.1

Lab Sample ID: 880-30699-14

Date Collected: 07/12/23 08:30

Matrix: Solid

Date Received: 07/13/23 11:46

Prep 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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 18:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-13, 4.1

Lab Sample ID: 880-30699-14

Date Collected: 07/12/23 08:30

Matrix: Solid

Date Received: 07/13/23 11:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 17:54	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 16:46	CH	EET MID

Client Sample ID: C-17, 4.1

Lab Sample ID: 880-30699-15

Date Collected: 07/12/23 08:40

Matrix: Solid

Date Received: 07/13/23 11:46

Prep 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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 18:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 18:16	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 17:00	CH	EET MID

Client Sample ID: C-14, 4.1

Lab Sample ID: 880-30699-16

Date Collected: 07/12/23 08:50

Matrix: Solid

Date Received: 07/13/23 11:46

Prep 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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 18:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 18:38	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		5			57906	07/17/23 17:05	CH	EET MID

Client Sample ID: C-10, 4.1

Lab Sample ID: 880-30699-17

Date Collected: 07/12/23 09:00

Matrix: Solid

Date Received: 07/13/23 11:46

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	58284	07/23/23 09:31	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 19:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			57857	07/24/23 09:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58907	07/31/23 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	58354	07/24/23 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58684	07/28/23 19:00	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Client Sample ID: C-10, 4.1
Date Collected: 07/12/23 09:00
Date Received: 07/13/23 11:46

Lab Sample ID: 880-30699-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	57717	07/14/23 15:58	KS	EET MID
Soluble	Analysis	300.0		1			57906	07/17/23 17:10	CH	EET MID

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

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Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

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

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Method Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 13 Fed P415

Job ID: 880-30699-1
SDG: 23-0105-13

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30699-1	C-1, 4.1'	Solid	07/10/23 14:03	07/13/23 11:46
880-30699-2	C-4, 4.1'	Solid	07/10/23 14:05	07/13/23 11:46
880-30699-3	C-82, 0-4.1'	Solid	07/10/23 14:10	07/13/23 11:46
880-30699-4	C-2, 4.1'	Solid	07/11/23 08:00	07/13/23 11:46
880-30699-5	C-3, 4.1'	Solid	07/11/23 08:05	07/13/23 11:46
880-30699-6	C-6, 4.1'	Solid	07/11/23 08:10	07/13/23 11:46
880-30699-7	C-19, 2'	Solid	07/11/23 08:15	07/13/23 11:46
880-30699-8	C-24, 2'	Solid	07/11/23 08:20	07/13/23 11:46
880-30699-9	C-29, 2'	Solid	07/11/23 08:25	07/13/23 11:46
880-30699-10	C-85, 0-2'	Solid	07/11/23 10:00	07/13/23 11:46
880-30699-11	C-22, 4.1	Solid	07/12/23 08:00	07/13/23 11:46
880-30699-12	C-21, 4.1	Solid	07/12/23 08:10	07/13/23 11:46
880-30699-13	C-18, 4.1	Solid	07/12/23 08:20	07/13/23 11:46
880-30699-14	C-13, 4.1	Solid	07/12/23 08:30	07/13/23 11:46
880-30699-15	C-17, 4.1	Solid	07/12/23 08:40	07/13/23 11:46
880-30699-16	C-14, 4.1	Solid	07/12/23 08:50	07/13/23 11:46
880-30699-17	C-10, 4.1	Solid	07/12/23 09:00	07/13/23 11:46

7/31/2023

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306694 No. 2923
CHAIN-OF-CUSTODY

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-30699-1

SDG Number: 23-0105-13

Login Number: 30699

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/27/2023 7:44:30 AM

JOB DESCRIPTION

Salado Draw 24-13
SDG NUMBER 22-0105-13

JOB NUMBER

880-30783-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

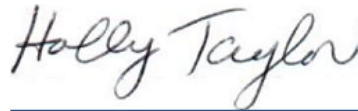
Eurofins Midland

Job Notes

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

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

Authorization



Generated
7/27/2023 7:44:30 AM

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

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Laboratory Job ID: 880-30783-1
SDG: 22-0105-13

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Job ID: 880-30783-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-30783-1

Receipt

The samples were received on 7/17/2023 10:44 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.2° C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-83, 0-2' (880-30783-1), C-84, 0-2' (880-30783-2), C-58, 2' (880-30783-3), C-65, 2' (880-30783-4), C-86, 0-4.1' (880-30783-5), C-35, 4.1' (880-30783-6), C-78, 4.1' (880-30783-7), C-89, 0-4.1' (880-30783-8), C-62, 4.1' (880-30783-9), C-71, 4.1' (880-30783-10), C-70, 4.1' (880-30783-11), C-44, 4.1' (880-30783-12), C-27, 4.1' (880-30783-13), C39-, 4.1' (880-30783-14), C-38, 4.1' (880-30783-15), C-28, 4.1' (880-30783-16), C-31, 4.1' (880-30783-17), C-63, 4.1' (880-30783-18), C-42, 4.1' (880-30783-19), C-23, 4.1' (880-30783-20) and C-26, 4.1' (880-30783-21).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-58055 and analytical batch 880-58258 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58286 recovered above the upper control limit for Benzene. 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 880-58286/2) and (CCV 880-58286/33).

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-83, 0-2' (880-30783-1), C-58, 2' (880-30783-3), C-65, 2' (880-30783-4), C-35, 4.1' (880-30783-6), C-78, 4.1' (880-30783-7), C-89, 0-4.1' (880-30783-8), C-62, 4.1' (880-30783-9), C-71, 4.1' (880-30783-10), C-70, 4.1' (880-30783-11), C-44, 4.1' (880-30783-12), C-27, 4.1' (880-30783-13), C39-, 4.1' (880-30783-14), C-38, 4.1' (880-30783-15), C-28, 4.1' (880-30783-16), C-31, 4.1' (880-30783-17) and C-42, 4.1' (880-30783-19). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

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

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-57835 and analytical batch 880-57913 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-83, 0-2'

Lab Sample ID: 880-30783-1

Date Collected: 07/14/23 08:00

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202	mg/Kg		07/19/23 15:16	07/23/23 23:27	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/19/23 15:16	07/23/23 23:27	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/19/23 15:16	07/23/23 23:27	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		07/19/23 15:16	07/23/23 23:27	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/19/23 15:16	07/23/23 23:27	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/19/23 15:16	07/23/23 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	07/19/23 15:16	07/23/23 23:27	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130	07/19/23 15:16	07/23/23 23:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	50.1	mg/Kg		07/20/23 14:55	07/26/23 23:36	1
Diesel Range Organics (Over C10-C28)	<50.1	U F1	50.1	mg/Kg		07/20/23 14:55	07/26/23 23:36	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		07/20/23 14:55	07/26/23 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130	07/20/23 14:55	07/26/23 23:36	1
o-Terphenyl (Surr)	107		70 - 130	07/20/23 14:55	07/26/23 23:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.8		4.98	mg/Kg			07/18/23 23:27	1

Client Sample ID: C-84, 0-2'

Lab Sample ID: 880-30783-2

Date Collected: 07/14/23 08:05

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200	mg/Kg		07/19/23 15:16	07/23/23 23:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/23/23 23:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/23/23 23:48	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		07/19/23 15:16	07/23/23 23:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/23/23 23:48	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/19/23 15:16	07/23/23 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/19/23 15:16	07/23/23 23:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/19/23 15:16	07/23/23 23:48	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-84, 0-2'

Lab Sample ID: 880-30783-2

Date Collected: 07/14/23 08:05

Matrix: Solid

Date Received: 07/17/23 10:44

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/20/23 14:55	07/27/23 00:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/20/23 14:55	07/27/23 00:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/20/23 14:55	07/27/23 00:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			07/20/23 14:55	07/27/23 00:39	1
o-Terphenyl (Surr)	100		70 - 130			07/20/23 14:55	07/27/23 00:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.4		5.00	mg/Kg			07/18/23 23:42	1

Client Sample ID: C-58, 2'

Lab Sample ID: 880-30783-3

Date Collected: 07/14/23 08:10

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U **	0.00198	mg/Kg		07/19/23 15:16	07/24/23 00:08	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/19/23 15:16	07/24/23 00:08	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/19/23 15:16	07/24/23 00:08	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		07/19/23 15:16	07/24/23 00:08	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/19/23 15:16	07/24/23 00:08	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		07/19/23 15:16	07/24/23 00:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			07/19/23 15:16	07/24/23 00:08	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130			07/19/23 15:16	07/24/23 00:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		07/20/23 14:55	07/27/23 01:01	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/20/23 14:55	07/27/23 01:01	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-58, 2'

Lab Sample ID: 880-30783-3

Date Collected: 07/14/23 08:10

Matrix: Solid

Date Received: 07/17/23 10:44

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/20/23 14:55	07/27/23 01:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			07/20/23 14:55	07/27/23 01:01	1
o-Terphenyl (Surr)	98		70 - 130			07/20/23 14:55	07/27/23 01:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	795		4.99	mg/Kg			07/18/23 23:47	1

Client Sample ID: C-65, 2'

Lab Sample ID: 880-30783-4

Date Collected: 07/14/23 08:15

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *	0.00198	mg/Kg		07/19/23 15:16	07/24/23 00:28	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/19/23 15:16	07/24/23 00:28	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/19/23 15:16	07/24/23 00:28	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		07/19/23 15:16	07/24/23 00:28	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/19/23 15:16	07/24/23 00:28	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/19/23 15:16	07/24/23 00:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130			07/19/23 15:16	07/24/23 00:28	1
1,4-Difluorobenzene (Surr)	59	S1-	70 - 130			07/19/23 15:16	07/24/23 00:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		07/20/23 14:55	07/27/23 01:22	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/20/23 14:55	07/27/23 01:22	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/20/23 14:55	07/27/23 01:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130			07/20/23 14:55	07/27/23 01:22	1
o-Terphenyl (Surr)	102		70 - 130			07/20/23 14:55	07/27/23 01:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	567		5.04	mg/Kg			07/18/23 23:52	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-86, 0-4.1'

Lab Sample ID: 880-30783-5

Date Collected: 07/14/23 08:20

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202	mg/Kg		07/19/23 15:16	07/24/23 00:49	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/19/23 15:16	07/24/23 00:49	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/19/23 15:16	07/24/23 00:49	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/19/23 15:16	07/24/23 00:49	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/19/23 15:16	07/24/23 00:49	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/19/23 15:16	07/24/23 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/19/23 15:16	07/24/23 00:49	1
1,4-Difluorobenzene (Surr)	72		70 - 130	07/19/23 15:16	07/24/23 00:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5	mg/Kg		07/20/23 14:55	07/27/23 01:43	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5	mg/Kg		07/20/23 14:55	07/27/23 01:43	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5	mg/Kg		07/20/23 14:55	07/27/23 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	07/20/23 14:55	07/27/23 01:43	1
o-Terphenyl (Surr)	98		70 - 130	07/20/23 14:55	07/27/23 01:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	769		4.95	mg/Kg			07/18/23 23:57	1

Client Sample ID: C-35, 4.1'

Lab Sample ID: 880-30783-6

Date Collected: 07/14/23 08:25

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201	mg/Kg		07/19/23 15:16	07/24/23 01:09	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:16	07/24/23 01:09	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:16	07/24/23 01:09	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/19/23 15:16	07/24/23 01:09	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:16	07/24/23 01:09	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/19/23 15:16	07/24/23 01:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/19/23 15:16	07/24/23 01:09	1
1,4-Difluorobenzene (Surr)	53	S1-	70 - 130	07/19/23 15:16	07/24/23 01:09	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-35, 4.1'

Lab Sample ID: 880-30783-6

Date Collected: 07/14/23 08:25

Matrix: Solid

Date Received: 07/17/23 10:44

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		07/20/23 14:55	07/27/23 02:04	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		07/20/23 14:55	07/27/23 02:04	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/20/23 14:55	07/27/23 02:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			07/20/23 14:55	07/27/23 02:04	1
o-Terphenyl (Surr)	99		70 - 130			07/20/23 14:55	07/27/23 02:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	647		5.02	mg/Kg			07/19/23 00:12	1

Client Sample ID: C-78, 4.1'

Lab Sample ID: 880-30783-7

Date Collected: 07/14/23 08:30

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200	mg/Kg		07/19/23 15:16	07/24/23 01:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/24/23 01:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/24/23 01:30	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		07/19/23 15:16	07/24/23 01:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/24/23 01:30	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/19/23 15:16	07/24/23 01:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			07/19/23 15:16	07/24/23 01:30	1
1,4-Difluorobenzene (Surr)	58	S1-	70 - 130			07/19/23 15:16	07/24/23 01:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		07/20/23 14:55	07/27/23 02:25	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		07/20/23 14:55	07/27/23 02:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-78, 4.1'

Lab Sample ID: 880-30783-7

Date Collected: 07/14/23 08:30

Matrix: Solid

Date Received: 07/17/23 10:44

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		07/20/23 14:55	07/27/23 02:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			07/20/23 14:55	07/27/23 02:25	1
o-Terphenyl (Surr)	96		70 - 130			07/20/23 14:55	07/27/23 02:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	732		4.99	mg/Kg			07/19/23 00:17	1

Client Sample ID: C-89, 0-4.1'

Lab Sample ID: 880-30783-8

Date Collected: 07/14/23 08:35

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200	mg/Kg		07/19/23 15:16	07/24/23 01:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/24/23 01:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/24/23 01:50	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/19/23 15:16	07/24/23 01:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/24/23 01:50	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/19/23 15:16	07/24/23 01:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			07/19/23 15:16	07/24/23 01:50	1
1,4-Difluorobenzene (Surr)	48	S1-	70 - 130			07/19/23 15:16	07/24/23 01:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/20/23 14:55	07/27/23 02:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		07/20/23 14:55	07/27/23 02:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/20/23 14:55	07/27/23 02:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			07/20/23 14:55	07/27/23 02:46	1
o-Terphenyl (Surr)	99		70 - 130			07/20/23 14:55	07/27/23 02:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	825		5.01	mg/Kg			07/19/23 00:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-62, 4.1'

Lab Sample ID: 880-30783-9

Date Collected: 07/14/23 08:40

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200	mg/Kg		07/19/23 15:16	07/24/23 02:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/24/23 02:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/24/23 02:11	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/19/23 15:16	07/24/23 02:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/24/23 02:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/19/23 15:16	07/24/23 02:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/19/23 15:16	07/24/23 02:11	1
1,4-Difluorobenzene (Surr)	54	S1-	70 - 130	07/19/23 15:16	07/24/23 02:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/20/23 14:55	07/27/23 03:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/20/23 14:55	07/27/23 03:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/20/23 14:55	07/27/23 03:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130	07/20/23 14:55	07/27/23 03:07	1
o-Terphenyl (Surr)	101		70 - 130	07/20/23 14:55	07/27/23 03:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	659		4.95	mg/Kg			07/19/23 00:27	1

Client Sample ID: C-71, 4.1'

Lab Sample ID: 880-30783-10

Date Collected: 07/14/23 08:45

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201	mg/Kg		07/19/23 15:16	07/24/23 02:31	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:16	07/24/23 02:31	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:16	07/24/23 02:31	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/19/23 15:16	07/24/23 02:31	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:16	07/24/23 02:31	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/19/23 15:16	07/24/23 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	07/19/23 15:16	07/24/23 02:31	1
1,4-Difluorobenzene (Surr)	58	S1-	70 - 130	07/19/23 15:16	07/24/23 02:31	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-71, 4.1'

Lab Sample ID: 880-30783-10

Date Collected: 07/14/23 08:45

Matrix: Solid

Date Received: 07/17/23 10:44

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		07/20/23 14:55	07/27/23 03:28	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/20/23 14:55	07/27/23 03:28	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/20/23 14:55	07/27/23 03:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			07/20/23 14:55	07/27/23 03:28	1
o-Terphenyl (Surr)	106		70 - 130			07/20/23 14:55	07/27/23 03:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	626		4.95	mg/Kg			07/19/23 00:32	1

Client Sample ID: C-70, 4.1'

Lab Sample ID: 880-30783-11

Date Collected: 07/14/23 08:50

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202	mg/Kg		07/19/23 15:16	07/24/23 03:53	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/19/23 15:16	07/24/23 03:53	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/19/23 15:16	07/24/23 03:53	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		07/19/23 15:16	07/24/23 03:53	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/19/23 15:16	07/24/23 03:53	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/19/23 15:16	07/24/23 03:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130			07/19/23 15:16	07/24/23 03:53	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130			07/19/23 15:16	07/24/23 03:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		07/20/23 14:55	07/27/23 04:11	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		07/20/23 14:55	07/27/23 04:11	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-70, 4.1'

Lab Sample ID: 880-30783-11

Date Collected: 07/14/23 08:50

Matrix: Solid

Date Received: 07/17/23 10:44

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		07/20/23 14:55	07/27/23 04:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			07/20/23 14:55	07/27/23 04:11	1
o-Terphenyl (Surr)	105		70 - 130			07/20/23 14:55	07/27/23 04:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	376		5.00	mg/Kg			07/19/23 00:37	1

Client Sample ID: C-44, 4.1'

Lab Sample ID: 880-30783-12

Date Collected: 07/14/23 09:00

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199	mg/Kg		07/19/23 15:16	07/24/23 04:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/19/23 15:16	07/24/23 04:14	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/19/23 15:16	07/24/23 04:14	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/19/23 15:16	07/24/23 04:14	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/19/23 15:16	07/24/23 04:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/19/23 15:16	07/24/23 04:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			07/19/23 15:16	07/24/23 04:14	1
1,4-Difluorobenzene (Surr)	55	S1-	70 - 130			07/19/23 15:16	07/24/23 04:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		07/20/23 14:55	07/27/23 04:32	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		07/20/23 14:55	07/27/23 04:32	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		07/20/23 14:55	07/27/23 04:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			07/20/23 14:55	07/27/23 04:32	1
o-Terphenyl (Surr)	103		70 - 130			07/20/23 14:55	07/27/23 04:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	397		4.99	mg/Kg			07/19/23 00:51	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-27, 4.1'

Lab Sample ID: 880-30783-13

Date Collected: 07/14/23 09:10

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U **	0.00198	mg/Kg		07/19/23 15:16	07/24/23 04:34	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/19/23 15:16	07/24/23 04:34	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/19/23 15:16	07/24/23 04:34	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		07/19/23 15:16	07/24/23 04:34	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/19/23 15:16	07/24/23 04:34	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		07/19/23 15:16	07/24/23 04:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	07/19/23 15:16	07/24/23 04:34	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	07/19/23 15:16	07/24/23 04:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		07/20/23 14:55	07/27/23 04:53	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		07/20/23 14:55	07/27/23 04:53	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/20/23 14:55	07/27/23 04:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	163	S1+	70 - 130	07/20/23 14:55	07/27/23 04:53	1
o-Terphenyl (Surr)	142	S1+	70 - 130	07/20/23 14:55	07/27/23 04:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	436		4.98	mg/Kg			07/19/23 00:56	1

Client Sample ID: C39-, 4.1'

Lab Sample ID: 880-30783-14

Date Collected: 07/14/23 09:20

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199	mg/Kg		07/19/23 15:16	07/24/23 04:55	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/19/23 15:16	07/24/23 04:55	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/19/23 15:16	07/24/23 04:55	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/19/23 15:16	07/24/23 04:55	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/19/23 15:16	07/24/23 04:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/19/23 15:16	07/24/23 04:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/19/23 15:16	07/24/23 04:55	1
1,4-Difluorobenzene (Surr)	53	S1-	70 - 130	07/19/23 15:16	07/24/23 04:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C39-, 4.1'

Lab Sample ID: 880-30783-14

Date Collected: 07/14/23 09:20

Matrix: Solid

Date Received: 07/17/23 10:44

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		07/20/23 14:55	07/27/23 05:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		07/20/23 14:55	07/27/23 05:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		07/20/23 14:55	07/27/23 05:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			07/20/23 14:55	07/27/23 05:15	1
o-Terphenyl (Surr)	101		70 - 130			07/20/23 14:55	07/27/23 05:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	617		4.95	mg/Kg			07/19/23 01:11	1

Client Sample ID: C-38, 4.1'

Lab Sample ID: 880-30783-15

Date Collected: 07/14/23 09:30

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200	mg/Kg		07/19/23 15:16	07/24/23 05:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/24/23 05:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/24/23 05:15	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/19/23 15:16	07/24/23 05:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/24/23 05:15	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/19/23 15:16	07/24/23 05:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			07/19/23 15:16	07/24/23 05:15	1
1,4-Difluorobenzene (Surr)	49	S1-	70 - 130			07/19/23 15:16	07/24/23 05:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/20/23 14:55	07/27/23 05:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/20/23 14:55	07/27/23 05:36	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-38, 4.1'

Lab Sample ID: 880-30783-15

Date Collected: 07/14/23 09:30

Matrix: Solid

Date Received: 07/17/23 10:44

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/20/23 14:55	07/27/23 05:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			07/20/23 14:55	07/27/23 05:36	1
o-Terphenyl (Surr)	97		70 - 130			07/20/23 14:55	07/27/23 05:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	499		4.96	mg/Kg			07/19/23 01:16	1

Client Sample ID: C-28, 4.1'

Lab Sample ID: 880-30783-16

Date Collected: 07/14/23 09:40

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199	mg/Kg		07/19/23 15:16	07/24/23 05:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/19/23 15:16	07/24/23 05:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/19/23 15:16	07/24/23 05:35	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/19/23 15:16	07/24/23 05:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/19/23 15:16	07/24/23 05:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/19/23 15:16	07/24/23 05:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			07/19/23 15:16	07/24/23 05:35	1
1,4-Difluorobenzene (Surr)	51	S1-	70 - 130			07/19/23 15:16	07/24/23 05:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/20/23 14:55	07/27/23 05:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/20/23 14:55	07/27/23 05:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/20/23 14:55	07/27/23 05:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			07/20/23 14:55	07/27/23 05:57	1
o-Terphenyl (Surr)	99		70 - 130			07/20/23 14:55	07/27/23 05:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	501		4.98	mg/Kg			07/19/23 01:21	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-31, 4.1'

Lab Sample ID: 880-30783-17

Date Collected: 07/14/23 09:50

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202	mg/Kg		07/19/23 15:16	07/24/23 05:56	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/19/23 15:16	07/24/23 05:56	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/19/23 15:16	07/24/23 05:56	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/19/23 15:16	07/24/23 05:56	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/19/23 15:16	07/24/23 05:56	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/19/23 15:16	07/24/23 05:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/19/23 15:16	07/24/23 05:56	1
1,4-Difluorobenzene (Surr)	53	S1-	70 - 130	07/19/23 15:16	07/24/23 05:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/20/23 14:55	07/27/23 06:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		07/20/23 14:55	07/27/23 06:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/20/23 14:55	07/27/23 06:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	07/20/23 14:55	07/27/23 06:19	1
o-Terphenyl (Surr)	94		70 - 130	07/20/23 14:55	07/27/23 06:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	602		5.05	mg/Kg			07/19/23 01:26	1

Client Sample ID: C-63, 4.1'

Lab Sample ID: 880-30783-18

Date Collected: 07/14/23 10:00

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201	mg/Kg		07/19/23 15:16	07/24/23 06:16	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:16	07/24/23 06:16	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:16	07/24/23 06:16	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/19/23 15:16	07/24/23 06:16	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:16	07/24/23 06:16	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/19/23 15:16	07/24/23 06:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/19/23 15:16	07/24/23 06:16	1
1,4-Difluorobenzene (Surr)	70		70 - 130	07/19/23 15:16	07/24/23 06:16	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-63, 4.1'

Lab Sample ID: 880-30783-18

Date Collected: 07/14/23 10:00

Matrix: Solid

Date Received: 07/17/23 10:44

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		07/20/23 14:55	07/27/23 06:40	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		07/20/23 14:55	07/27/23 06:40	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		07/20/23 14:55	07/27/23 06:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			07/20/23 14:55	07/27/23 06:40	1
o-Terphenyl (Surr)	108		70 - 130			07/20/23 14:55	07/27/23 06:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		4.97	mg/Kg			07/19/23 01:31	1

Client Sample ID: C-42, 4.1'

Lab Sample ID: 880-30783-19

Date Collected: 07/14/23 10:10

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199	mg/Kg		07/19/23 15:16	07/24/23 06:37	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/19/23 15:16	07/24/23 06:37	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/19/23 15:16	07/24/23 06:37	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/19/23 15:16	07/24/23 06:37	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/19/23 15:16	07/24/23 06:37	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/19/23 15:16	07/24/23 06:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			07/19/23 15:16	07/24/23 06:37	1
1,4-Difluorobenzene (Surr)	53	S1-	70 - 130			07/19/23 15:16	07/24/23 06:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		07/20/23 14:55	07/27/23 07:01	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		07/20/23 14:55	07/27/23 07:01	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-42, 4.1'

Lab Sample ID: 880-30783-19

Date Collected: 07/14/23 10:10

Matrix: Solid

Date Received: 07/17/23 10:44

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		07/20/23 14:55	07/27/23 07:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			07/20/23 14:55	07/27/23 07:01	1
o-Terphenyl (Surr)	102		70 - 130			07/20/23 14:55	07/27/23 07:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		5.00	mg/Kg			07/19/23 01:36	1

Client Sample ID: C-23, 4.1'

Lab Sample ID: 880-30783-20

Date Collected: 07/14/23 10:20

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201	mg/Kg		07/19/23 15:16	07/24/23 06:57	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:16	07/24/23 06:57	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:16	07/24/23 06:57	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/19/23 15:16	07/24/23 06:57	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:16	07/24/23 06:57	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/19/23 15:16	07/24/23 06:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			07/19/23 15:16	07/24/23 06:57	1
1,4-Difluorobenzene (Surr)	86		70 - 130			07/19/23 15:16	07/24/23 06:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 09:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			07/27/23 08:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		07/20/23 14:55	07/27/23 07:22	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		07/20/23 14:55	07/27/23 07:22	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		07/20/23 14:55	07/27/23 07:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130			07/20/23 14:55	07/27/23 07:22	1
o-Terphenyl (Surr)	106		70 - 130			07/20/23 14:55	07/27/23 07:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	509		4.96	mg/Kg			07/19/23 01:41	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-26, 4.1'

Lab Sample ID: 880-30783-21

Date Collected: 07/14/23 10:30

Matrix: Solid

Date Received: 07/17/23 10:44

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:04	07/24/23 02:00	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:04	07/24/23 02:00	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:04	07/24/23 02:00	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/19/23 15:04	07/24/23 02:00	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/19/23 15:04	07/24/23 02:00	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/19/23 15:04	07/24/23 02:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/19/23 15:04	07/24/23 02:00	1
1,4-Difluorobenzene (Surr)	110		70 - 130	07/19/23 15:04	07/24/23 02:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 08:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.4		50.5	mg/Kg			07/27/23 08:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		07/20/23 15:25	07/26/23 23:36	1
Diesel Range Organics (Over C10-C28)	52.4		50.5	mg/Kg		07/20/23 15:25	07/26/23 23:36	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/20/23 15:25	07/26/23 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130	07/20/23 15:25	07/26/23 23:36	1
o-Terphenyl (Surr)	136	S1+	70 - 130	07/20/23 15:25	07/26/23 23:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.3		4.98	mg/Kg			07/17/23 20:59	1

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-30783-1	C-83, 0-2'	74	63 S1-				
880-30783-1 MS	C-83, 0-2'	94	111				
880-30783-1 MSD	C-83, 0-2'	97	101				
880-30783-2	C-84, 0-2'	100	95				
880-30783-3	C-58, 2'	95	67 S1-				
880-30783-4	C-65, 2'	75	59 S1-				
880-30783-5	C-86, 0-4.1'	93	72				
880-30783-6	C-35, 4.1'	95	53 S1-				
880-30783-7	C-78, 4.1'	98	58 S1-				
880-30783-8	C-89, 0-4.1'	98	48 S1-				
880-30783-9	C-62, 4.1'	99	54 S1-				
880-30783-10	C-71, 4.1'	96	58 S1-				
880-30783-11	C-70, 4.1'	75	61 S1-				
880-30783-12	C-44, 4.1'	95	55 S1-				
880-30783-13	C-27, 4.1'	129	66 S1-				
880-30783-14	C39-, 4.1'	99	53 S1-				
880-30783-15	C-38, 4.1'	99	49 S1-				
880-30783-16	C-28, 4.1'	103	51 S1-				
880-30783-17	C-31, 4.1'	94	53 S1-				
880-30783-18	C-63, 4.1'	98	70				
880-30783-19	C-42, 4.1'	96	53 S1-				
880-30783-20	C-23, 4.1'	105	86				
880-30783-21	C-26, 4.1'	107	110				
LCS 880-58055/1-A	Lab Control Sample	107	105				
LCS 880-58057/1-A	Lab Control Sample	96	112				
LCSD 880-58055/2-A	Lab Control Sample Dup	96	102				
LCSD 880-58057/2-A	Lab Control Sample Dup	91	110				
MB 880-57843/5-A	Method Blank	89	90				
MB 880-58055/5-A	Method Blank	82	94				
MB 880-58057/5-A	Method Blank	68 S1-	91				
MB 880-58284/5-A	Method Blank	73	91				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-30783-1	C-83, 0-2'	121	107				
880-30783-1 MS	C-83, 0-2'	132 S1+	104				
880-30783-1 MSD	C-83, 0-2'	116	92				
880-30783-2	C-84, 0-2'	114	100				
880-30783-3	C-58, 2'	108	98				
880-30783-4	C-65, 2'	115	102				
880-30783-5	C-86, 0-4.1'	111	98				
880-30783-6	C-35, 4.1'	112	99				

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-30783-1

Project/Site: Salado Draw 24-13

SDG: 22-0105-13

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)
880-30783-7	C-78, 4.1'	111	96
880-30783-8	C-89, 0-4.1'	112	99
880-30783-9	C-62, 4.1'	113	101
880-30783-10	C-71, 4.1'	121	106
880-30783-11	C-70, 4.1'	116	105
880-30783-12	C-44, 4.1'	116	103
880-30783-13	C-27, 4.1'	163 S1+	142 S1+
880-30783-14	C39-, 4.1'	113	101
880-30783-15	C-38, 4.1'	108	97
880-30783-16	C-28, 4.1'	112	99
880-30783-17	C-31, 4.1'	108	94
880-30783-18	C-63, 4.1'	117	108
880-30783-19	C-42, 4.1'	116	102
880-30783-20	C-23, 4.1'	123	106
880-30783-21	C-26, 4.1'	127	136 S1+
880-30783-21 MS	C-26, 4.1'	113	117
880-30783-21 MSD	C-26, 4.1'	117	120
LCS 880-58160/2-A	Lab Control Sample	106	102
LCS 880-58167/2-A	Lab Control Sample	94	110
LCSD 880-58160/3-A	Lab Control Sample Dup	104	98
LCSD 880-58167/3-A	Lab Control Sample Dup	95	111
MB 880-58160/1-A	Method Blank	145 S1+	133 S1+
MB 880-58167/1-A	Method Blank	144 S1+	164 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-57843/5-A

Matrix: Solid

Analysis Batch: 58258

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57843

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/17/23 13:25	07/23/23 07:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/17/23 13:25	07/23/23 07:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/17/23 13:25	07/23/23 07:21	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/17/23 13:25	07/23/23 07:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/17/23 13:25	07/23/23 07:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/17/23 13:25	07/23/23 07:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	07/17/23 13:25	07/23/23 07:21	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/17/23 13:25	07/23/23 07:21	1

Lab Sample ID: MB 880-58055/5-A

Matrix: Solid

Analysis Batch: 58258

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58055

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:04	07/23/23 18:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:04	07/23/23 18:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:04	07/23/23 18:03	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/19/23 15:04	07/23/23 18:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:04	07/23/23 18:03	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/19/23 15:04	07/23/23 18:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	07/19/23 15:04	07/23/23 18:03	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/19/23 15:04	07/23/23 18:03	1

Lab Sample ID: LCS 880-58055/1-A

Matrix: Solid

Analysis Batch: 58258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1017		mg/Kg		102	70 - 130
Toluene	0.100	0.1106		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1038		mg/Kg		104	70 - 130
m,p-Xylenes	0.200	0.2019		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1024		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-58055/2-A

Matrix: Solid

Analysis Batch: 58258

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58055

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09718		mg/Kg		97	70 - 130	5	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

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

Lab Sample ID: LCSD 880-58055/2-A

Matrix: Solid

Analysis Batch: 58258

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58055

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1019		mg/Kg		102	70 - 130	8	35
Ethylbenzene	0.100	0.09294		mg/Kg		93	70 - 130	11	35
m,p-Xylenes	0.200	0.1797		mg/Kg		90	70 - 130	12	35
o-Xylene	0.100	0.09024		mg/Kg		90	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-58057/5-A

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58057

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/23/23 23:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/23/23 23:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/23/23 23:06	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/19/23 15:16	07/23/23 23:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/19/23 15:16	07/23/23 23:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/19/23 15:16	07/23/23 23:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	07/19/23 15:16	07/23/23 23:06	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/19/23 15:16	07/23/23 23:06	1

Lab Sample ID: LCS 880-58057/1-A

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58057

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1308	*+	mg/Kg		131	70 - 130
Toluene	0.100	0.1010		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1044		mg/Kg		104	70 - 130
m,p-Xylenes	0.200	0.2047		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1045		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-58057/2-A

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58057

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1246		mg/Kg		125	70 - 130	5	35
Toluene	0.100	0.09281		mg/Kg		93	70 - 130	8	35
Ethylbenzene	0.100	0.09418		mg/Kg		94	70 - 130	10	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

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

Lab Sample ID: LCSD 880-58057/2-A

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58057

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	0.200	0.1846		mg/Kg		92	70 - 130	10	35
o-Xylene	0.100	0.09234		mg/Kg		92	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-30783-1 MS

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: C-83, 0-2'

Prep Type: Total/NA

Prep Batch: 58057

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U *	0.0994	0.1083		mg/Kg		109	70 - 130		
Toluene	<0.00202	U	0.0994	0.08182		mg/Kg		82	70 - 130		
Ethylbenzene	<0.00202	U	0.0994	0.08451		mg/Kg		85	70 - 130		
m,p-Xylenes	<0.00404	U	0.199	0.1644		mg/Kg		83	70 - 130		
o-Xylene	<0.00202	U	0.0994	0.08197		mg/Kg		82	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-30783-1 MSD

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: C-83, 0-2'

Prep Type: Total/NA

Prep Batch: 58057

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U *	0.0998	0.08700		mg/Kg		87	70 - 130	22	35
Toluene	<0.00202	U	0.0998	0.07360		mg/Kg		73	70 - 130	11	35
Ethylbenzene	<0.00202	U	0.0998	0.08330		mg/Kg		83	70 - 130	1	35
m,p-Xylenes	<0.00404	U	0.200	0.1592		mg/Kg		80	70 - 130	3	35
o-Xylene	<0.00202	U	0.0998	0.07952		mg/Kg		80	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-58284/5-A

Matrix: Solid

Analysis Batch: 58286

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58284

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 12:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 12:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 12:31	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/23/23 09:31	07/23/23 12:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/23/23 09:31	07/23/23 12:31	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/23/23 09:31	07/23/23 12:31	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	07/23/23 09:31	07/23/23 12:31	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/23/23 09:31	07/23/23 12:31	1

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

Lab Sample ID: MB 880-58160/1-A

Matrix: Solid

Analysis Batch: 58511

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58160

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/20/23 14:54	07/26/23 22:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/20/23 14:54	07/26/23 22:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/20/23 14:54	07/26/23 22:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	145	S1+	70 - 130	07/20/23 14:54	07/26/23 22:31	1
o-Terphenyl (Surr)	133	S1+	70 - 130	07/20/23 14:54	07/26/23 22:31	1

Lab Sample ID: LCS 880-58160/2-A

Matrix: Solid

Analysis Batch: 58511

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	937.0		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	977.1		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-58160/3-A

Matrix: Solid

Analysis Batch: 58511

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58160

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	951.3		mg/Kg		95	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1015		mg/Kg		101	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	98		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

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

Lab Sample ID: 880-30783-1 MS

Matrix: Solid

Analysis Batch: 58511

Client Sample ID: C-83, 0-2'

Prep Type: Total/NA

Prep Batch: 58160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	1010	1375	F1	mg/Kg		136	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1010	1363	F1	mg/Kg		133	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	132	S1+	70 - 130						
o-Terphenyl (Surr)	104		70 - 130						

Lab Sample ID: 880-30783-1 MSD

Matrix: Solid

Analysis Batch: 58511

Client Sample ID: C-83, 0-2'

Prep Type: Total/NA

Prep Batch: 58160

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	1010	1198		mg/Kg		119	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1	1010	1207		mg/Kg		118	70 - 130	12	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	116		70 - 130								
o-Terphenyl (Surr)	92		70 - 130								

Lab Sample ID: MB 880-58167/1-A

Matrix: Solid

Analysis Batch: 58509

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58167

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/20/23 15:25	07/26/23 22:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/20/23 15:25	07/26/23 22:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/20/23 15:25	07/26/23 22:31	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	144	S1+	70 - 130			07/20/23 15:25	07/26/23 22:31	1
o-Terphenyl (Surr)	164	S1+	70 - 130			07/20/23 15:25	07/26/23 22:31	1

Lab Sample ID: LCS 880-58167/2-A

Matrix: Solid

Analysis Batch: 58509

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	854.7		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	886.7		mg/Kg		89	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

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

Lab Sample ID: LCS 880-58167/2-A

Matrix: Solid

Analysis Batch: 58509

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58167

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-58167/3-A

Matrix: Solid

Analysis Batch: 58509

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58167

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	914.8		mg/Kg		91	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	921.6		mg/Kg		92	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	95		70 - 130
o-Terphenyl (Surr)	111		70 - 130

Lab Sample ID: 880-30783-21 MS

Matrix: Solid

Analysis Batch: 58509

Client Sample ID: C-26, 4.1'

Prep Type: Total/NA

Prep Batch: 58167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	992	1131		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	52.4		992	1089		mg/Kg		104	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	117		70 - 130

Lab Sample ID: 880-30783-21 MSD

Matrix: Solid

Analysis Batch: 58509

Client Sample ID: C-26, 4.1'

Prep Type: Total/NA

Prep Batch: 58167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	992	1281		mg/Kg		127	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	52.4		992	1117		mg/Kg		107	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	120		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-57835/1-A

Matrix: Solid

Analysis Batch: 57913

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/17/23 18:02	1

Lab Sample ID: LCS 880-57835/2-A

Matrix: Solid

Analysis Batch: 57913

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.1		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-57835/3-A

Matrix: Solid

Analysis Batch: 57913

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	248.1		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-57834/1-A

Matrix: Solid

Analysis Batch: 57964

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/18/23 23:12	1

Lab Sample ID: LCS 880-57834/2-A

Matrix: Solid

Analysis Batch: 57964

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.2		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-57834/3-A

Matrix: Solid

Analysis Batch: 57964

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.9		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-30783-1 MS

Matrix: Solid

Analysis Batch: 57964

Client Sample ID: C-83, 0-2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	76.8		249	320.2		mg/Kg		98	90 - 110

Lab Sample ID: 880-30783-1 MSD

Matrix: Solid

Analysis Batch: 57964

Client Sample ID: C-83, 0-2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	76.8		249	320.9		mg/Kg		98	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-30783-11 MS

Client Sample ID: C-70, 4.1'

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 57964

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	376		250	645.0		mg/Kg		108	90 - 110

Lab Sample ID: 880-30783-11 MSD

Client Sample ID: C-70, 4.1'

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 57964

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	376		250	646.0		mg/Kg		108	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

GC VOA

Prep Batch: 57843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-57843/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 58055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-21	C-26, 4.1'	Total/NA	Solid	5035	
MB 880-58055/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58055/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58055/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 58057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-1	C-83, 0-2'	Total/NA	Solid	5035	
880-30783-2	C-84, 0-2'	Total/NA	Solid	5035	
880-30783-3	C-58, 2'	Total/NA	Solid	5035	
880-30783-4	C-65, 2'	Total/NA	Solid	5035	
880-30783-5	C-86, 0-4.1'	Total/NA	Solid	5035	
880-30783-6	C-35, 4.1'	Total/NA	Solid	5035	
880-30783-7	C-78, 4.1'	Total/NA	Solid	5035	
880-30783-8	C-89, 0-4.1'	Total/NA	Solid	5035	
880-30783-9	C-62, 4.1'	Total/NA	Solid	5035	
880-30783-10	C-71, 4.1'	Total/NA	Solid	5035	
880-30783-11	C-70, 4.1'	Total/NA	Solid	5035	
880-30783-12	C-44, 4.1'	Total/NA	Solid	5035	
880-30783-13	C-27, 4.1'	Total/NA	Solid	5035	
880-30783-14	C39-, 4.1'	Total/NA	Solid	5035	
880-30783-15	C-38, 4.1'	Total/NA	Solid	5035	
880-30783-16	C-28, 4.1'	Total/NA	Solid	5035	
880-30783-17	C-31, 4.1'	Total/NA	Solid	5035	
880-30783-18	C-63, 4.1'	Total/NA	Solid	5035	
880-30783-19	C-42, 4.1'	Total/NA	Solid	5035	
880-30783-20	C-23, 4.1'	Total/NA	Solid	5035	
MB 880-58057/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58057/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58057/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30783-1 MS	C-83, 0-2'	Total/NA	Solid	5035	
880-30783-1 MSD	C-83, 0-2'	Total/NA	Solid	5035	

Analysis Batch: 58258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-21	C-26, 4.1'	Total/NA	Solid	8021B	58055
MB 880-57843/5-A	Method Blank	Total/NA	Solid	8021B	57843
MB 880-58055/5-A	Method Blank	Total/NA	Solid	8021B	58055
LCS 880-58055/1-A	Lab Control Sample	Total/NA	Solid	8021B	58055
LCSD 880-58055/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58055

Prep Batch: 58284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-58284/5-A	Method Blank	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

GC VOA

Analysis Batch: 58286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-1	C-83, 0-2'	Total/NA	Solid	8021B	58057
880-30783-2	C-84, 0-2'	Total/NA	Solid	8021B	58057
880-30783-3	C-58, 2'	Total/NA	Solid	8021B	58057
880-30783-4	C-65, 2'	Total/NA	Solid	8021B	58057
880-30783-5	C-86, 0-4.1'	Total/NA	Solid	8021B	58057
880-30783-6	C-35, 4.1'	Total/NA	Solid	8021B	58057
880-30783-7	C-78, 4.1'	Total/NA	Solid	8021B	58057
880-30783-8	C-89, 0-4.1'	Total/NA	Solid	8021B	58057
880-30783-9	C-62, 4.1'	Total/NA	Solid	8021B	58057
880-30783-10	C-71, 4.1'	Total/NA	Solid	8021B	58057
880-30783-11	C-70, 4.1'	Total/NA	Solid	8021B	58057
880-30783-12	C-44, 4.1'	Total/NA	Solid	8021B	58057
880-30783-13	C-27, 4.1'	Total/NA	Solid	8021B	58057
880-30783-14	C39-, 4.1'	Total/NA	Solid	8021B	58057
880-30783-15	C-38, 4.1'	Total/NA	Solid	8021B	58057
880-30783-16	C-28, 4.1'	Total/NA	Solid	8021B	58057
880-30783-17	C-31, 4.1'	Total/NA	Solid	8021B	58057
880-30783-18	C-63, 4.1'	Total/NA	Solid	8021B	58057
880-30783-19	C-42, 4.1'	Total/NA	Solid	8021B	58057
880-30783-20	C-23, 4.1'	Total/NA	Solid	8021B	58057
MB 880-58057/5-A	Method Blank	Total/NA	Solid	8021B	58057
MB 880-58284/5-A	Method Blank	Total/NA	Solid	8021B	58284
LCS 880-58057/1-A	Lab Control Sample	Total/NA	Solid	8021B	58057
LCSD 880-58057/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58057
880-30783-1 MS	C-83, 0-2'	Total/NA	Solid	8021B	58057
880-30783-1 MSD	C-83, 0-2'	Total/NA	Solid	8021B	58057

Analysis Batch: 58302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-1	C-83, 0-2'	Total/NA	Solid	Total BTEX	
880-30783-2	C-84, 0-2'	Total/NA	Solid	Total BTEX	
880-30783-3	C-58, 2'	Total/NA	Solid	Total BTEX	
880-30783-4	C-65, 2'	Total/NA	Solid	Total BTEX	
880-30783-5	C-86, 0-4.1'	Total/NA	Solid	Total BTEX	
880-30783-6	C-35, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-7	C-78, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-8	C-89, 0-4.1'	Total/NA	Solid	Total BTEX	
880-30783-9	C-62, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-10	C-71, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-11	C-70, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-12	C-44, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-13	C-27, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-14	C39-, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-15	C-38, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-16	C-28, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-17	C-31, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-18	C-63, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-19	C-42, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-20	C-23, 4.1'	Total/NA	Solid	Total BTEX	
880-30783-21	C-26, 4.1'	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

GC Semi VOA

Prep Batch: 58160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-1	C-83, 0-2'	Total/NA	Solid	8015NM Prep	
880-30783-2	C-84, 0-2'	Total/NA	Solid	8015NM Prep	
880-30783-3	C-58, 2'	Total/NA	Solid	8015NM Prep	
880-30783-4	C-65, 2'	Total/NA	Solid	8015NM Prep	
880-30783-5	C-86, 0-4.1'	Total/NA	Solid	8015NM Prep	
880-30783-6	C-35, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-7	C-78, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-8	C-89, 0-4.1'	Total/NA	Solid	8015NM Prep	
880-30783-9	C-62, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-10	C-71, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-11	C-70, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-12	C-44, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-13	C-27, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-14	C39-, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-15	C-38, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-16	C-28, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-17	C-31, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-18	C-63, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-19	C-42, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-20	C-23, 4.1'	Total/NA	Solid	8015NM Prep	
MB 880-58160/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-58160/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-58160/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30783-1 MS	C-83, 0-2'	Total/NA	Solid	8015NM Prep	
880-30783-1 MSD	C-83, 0-2'	Total/NA	Solid	8015NM Prep	

Prep Batch: 58167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-21	C-26, 4.1'	Total/NA	Solid	8015NM Prep	
MB 880-58167/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-58167/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-58167/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30783-21 MS	C-26, 4.1'	Total/NA	Solid	8015NM Prep	
880-30783-21 MSD	C-26, 4.1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 58509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-21	C-26, 4.1'	Total/NA	Solid	8015B NM	58167
MB 880-58167/1-A	Method Blank	Total/NA	Solid	8015B NM	58167
LCS 880-58167/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	58167
LCSD 880-58167/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	58167
880-30783-21 MS	C-26, 4.1'	Total/NA	Solid	8015B NM	58167
880-30783-21 MSD	C-26, 4.1'	Total/NA	Solid	8015B NM	58167

Analysis Batch: 58511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-1	C-83, 0-2'	Total/NA	Solid	8015B NM	58160
880-30783-2	C-84, 0-2'	Total/NA	Solid	8015B NM	58160
880-30783-3	C-58, 2'	Total/NA	Solid	8015B NM	58160
880-30783-4	C-65, 2'	Total/NA	Solid	8015B NM	58160
880-30783-5	C-86, 0-4.1'	Total/NA	Solid	8015B NM	58160

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

GC Semi VOA (Continued)

Analysis Batch: 58511 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-6	C-35, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-7	C-78, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-8	C-89, 0-4.1'	Total/NA	Solid	8015B NM	58160
880-30783-9	C-62, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-10	C-71, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-11	C-70, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-12	C-44, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-13	C-27, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-14	C39-, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-15	C-38, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-16	C-28, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-17	C-31, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-18	C-63, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-19	C-42, 4.1'	Total/NA	Solid	8015B NM	58160
880-30783-20	C-23, 4.1'	Total/NA	Solid	8015B NM	58160
MB 880-58160/1-A	Method Blank	Total/NA	Solid	8015B NM	58160
LCS 880-58160/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	58160
LCSD 880-58160/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	58160
880-30783-1 MS	C-83, 0-2'	Total/NA	Solid	8015B NM	58160
880-30783-1 MSD	C-83, 0-2'	Total/NA	Solid	8015B NM	58160

Analysis Batch: 58622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-1	C-83, 0-2'	Total/NA	Solid	8015 NM	
880-30783-2	C-84, 0-2'	Total/NA	Solid	8015 NM	
880-30783-3	C-58, 2'	Total/NA	Solid	8015 NM	
880-30783-4	C-65, 2'	Total/NA	Solid	8015 NM	
880-30783-5	C-86, 0-4.1'	Total/NA	Solid	8015 NM	
880-30783-6	C-35, 4.1'	Total/NA	Solid	8015 NM	
880-30783-7	C-78, 4.1'	Total/NA	Solid	8015 NM	
880-30783-8	C-89, 0-4.1'	Total/NA	Solid	8015 NM	
880-30783-9	C-62, 4.1'	Total/NA	Solid	8015 NM	
880-30783-10	C-71, 4.1'	Total/NA	Solid	8015 NM	
880-30783-11	C-70, 4.1'	Total/NA	Solid	8015 NM	
880-30783-12	C-44, 4.1'	Total/NA	Solid	8015 NM	
880-30783-13	C-27, 4.1'	Total/NA	Solid	8015 NM	
880-30783-14	C39-, 4.1'	Total/NA	Solid	8015 NM	
880-30783-15	C-38, 4.1'	Total/NA	Solid	8015 NM	
880-30783-16	C-28, 4.1'	Total/NA	Solid	8015 NM	
880-30783-17	C-31, 4.1'	Total/NA	Solid	8015 NM	
880-30783-18	C-63, 4.1'	Total/NA	Solid	8015 NM	
880-30783-19	C-42, 4.1'	Total/NA	Solid	8015 NM	
880-30783-20	C-23, 4.1'	Total/NA	Solid	8015 NM	
880-30783-21	C-26, 4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 57834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-1	C-83, 0-2'	Soluble	Solid	DI Leach	
880-30783-2	C-84, 0-2'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

HPLC/IC (Continued)

Leach Batch: 57834 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-3	C-58, 2'	Soluble	Solid	DI Leach	
880-30783-4	C-65, 2'	Soluble	Solid	DI Leach	
880-30783-5	C-86, 0-4.1'	Soluble	Solid	DI Leach	
880-30783-6	C-35, 4.1'	Soluble	Solid	DI Leach	
880-30783-7	C-78, 4.1'	Soluble	Solid	DI Leach	
880-30783-8	C-89, 0-4.1'	Soluble	Solid	DI Leach	
880-30783-9	C-62, 4.1'	Soluble	Solid	DI Leach	
880-30783-10	C-71, 4.1'	Soluble	Solid	DI Leach	
880-30783-11	C-70, 4.1'	Soluble	Solid	DI Leach	
880-30783-12	C-44, 4.1'	Soluble	Solid	DI Leach	
880-30783-13	C-27, 4.1'	Soluble	Solid	DI Leach	
880-30783-14	C39-, 4.1'	Soluble	Solid	DI Leach	
880-30783-15	C-38, 4.1'	Soluble	Solid	DI Leach	
880-30783-16	C-28, 4.1'	Soluble	Solid	DI Leach	
880-30783-17	C-31, 4.1'	Soluble	Solid	DI Leach	
880-30783-18	C-63, 4.1'	Soluble	Solid	DI Leach	
880-30783-19	C-42, 4.1'	Soluble	Solid	DI Leach	
880-30783-20	C-23, 4.1'	Soluble	Solid	DI Leach	
MB 880-57834/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57834/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57834/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30783-1 MS	C-83, 0-2'	Soluble	Solid	DI Leach	
880-30783-1 MSD	C-83, 0-2'	Soluble	Solid	DI Leach	
880-30783-11 MS	C-70, 4.1'	Soluble	Solid	DI Leach	
880-30783-11 MSD	C-70, 4.1'	Soluble	Solid	DI Leach	

Leach Batch: 57835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-21	C-26, 4.1'	Soluble	Solid	DI Leach	
MB 880-57835/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57835/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57835/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 57913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-21	C-26, 4.1'	Soluble	Solid	300.0	57835
MB 880-57835/1-A	Method Blank	Soluble	Solid	300.0	57835
LCS 880-57835/2-A	Lab Control Sample	Soluble	Solid	300.0	57835
LCSD 880-57835/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57835

Analysis Batch: 57964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-1	C-83, 0-2'	Soluble	Solid	300.0	57834
880-30783-2	C-84, 0-2'	Soluble	Solid	300.0	57834
880-30783-3	C-58, 2'	Soluble	Solid	300.0	57834
880-30783-4	C-65, 2'	Soluble	Solid	300.0	57834
880-30783-5	C-86, 0-4.1'	Soluble	Solid	300.0	57834
880-30783-6	C-35, 4.1'	Soluble	Solid	300.0	57834
880-30783-7	C-78, 4.1'	Soluble	Solid	300.0	57834
880-30783-8	C-89, 0-4.1'	Soluble	Solid	300.0	57834
880-30783-9	C-62, 4.1'	Soluble	Solid	300.0	57834

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

HPLC/IC (Continued)

Analysis Batch: 57964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30783-10	C-71, 4.1'	Soluble	Solid	300.0	57834
880-30783-11	C-70, 4.1'	Soluble	Solid	300.0	57834
880-30783-12	C-44, 4.1'	Soluble	Solid	300.0	57834
880-30783-13	C-27, 4.1'	Soluble	Solid	300.0	57834
880-30783-14	C39-, 4.1'	Soluble	Solid	300.0	57834
880-30783-15	C-38, 4.1'	Soluble	Solid	300.0	57834
880-30783-16	C-28, 4.1'	Soluble	Solid	300.0	57834
880-30783-17	C-31, 4.1'	Soluble	Solid	300.0	57834
880-30783-18	C-63, 4.1'	Soluble	Solid	300.0	57834
880-30783-19	C-42, 4.1'	Soluble	Solid	300.0	57834
880-30783-20	C-23, 4.1'	Soluble	Solid	300.0	57834
MB 880-57834/1-A	Method Blank	Soluble	Solid	300.0	57834
LCS 880-57834/2-A	Lab Control Sample	Soluble	Solid	300.0	57834
LCSD 880-57834/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57834
880-30783-1 MS	C-83, 0-2'	Soluble	Solid	300.0	57834
880-30783-1 MSD	C-83, 0-2'	Soluble	Solid	300.0	57834
880-30783-11 MS	C-70, 4.1'	Soluble	Solid	300.0	57834
880-30783-11 MSD	C-70, 4.1'	Soluble	Solid	300.0	57834

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-83, 0-2'**Lab Sample ID: 880-30783-1****Date Collected: 07/14/23 08:00****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 23:27	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/26/23 23:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/18/23 23:27	CH	EET MID

Client Sample ID: C-84, 0-2'**Lab Sample ID: 880-30783-2****Date Collected: 07/14/23 08:05****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/23/23 23:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 00:39	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/18/23 23:42	CH	EET MID

Client Sample ID: C-58, 2'**Lab Sample ID: 880-30783-3****Date Collected: 07/14/23 08:10****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 00:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 01:01	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/18/23 23:47	CH	EET MID

Client Sample ID: C-65, 2'**Lab Sample ID: 880-30783-4****Date Collected: 07/14/23 08:15****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 00:28	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-65, 2'

Lab Sample ID: 880-30783-4

Date Collected: 07/14/23 08:15

Matrix: Solid

Date Received: 07/17/23 10:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 01:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/18/23 23:52	CH	EET MID

Client Sample ID: C-86, 0-4.1'

Lab Sample ID: 880-30783-5

Date Collected: 07/14/23 08:20

Matrix: Solid

Date Received: 07/17/23 10:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 00:49	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 01:43	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/18/23 23:57	CH	EET MID

Client Sample ID: C-35, 4.1'

Lab Sample ID: 880-30783-6

Date Collected: 07/14/23 08:25

Matrix: Solid

Date Received: 07/17/23 10:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 01:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 02:04	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 00:12	CH	EET MID

Client Sample ID: C-78, 4.1'

Lab Sample ID: 880-30783-7

Date Collected: 07/14/23 08:30

Matrix: Solid

Date Received: 07/17/23 10:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 01:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 02:25	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-78, 4.1'**Lab Sample ID: 880-30783-7****Date Collected: 07/14/23 08:30****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 00:17	CH	EET MID

Client Sample ID: C-89, 0-4.1'**Lab Sample ID: 880-30783-8****Date Collected: 07/14/23 08:35****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 01:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 02:46	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 00:22	CH	EET MID

Client Sample ID: C-62, 4.1'**Lab Sample ID: 880-30783-9****Date Collected: 07/14/23 08:40****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 02:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 03:07	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 00:27	CH	EET MID

Client Sample ID: C-71, 4.1'**Lab Sample ID: 880-30783-10****Date Collected: 07/14/23 08:45****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 02:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 03:28	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 00:32	CH	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-70, 4.1'**Lab Sample ID: 880-30783-11****Date Collected: 07/14/23 08:50****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 03:53	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 04:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 00:37	CH	EET MID

Client Sample ID: C-44, 4.1'**Lab Sample ID: 880-30783-12****Date Collected: 07/14/23 09:00****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 04:14	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 04:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 00:51	CH	EET MID

Client Sample ID: C-27, 4.1'**Lab Sample ID: 880-30783-13****Date Collected: 07/14/23 09:10****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 04:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 04:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 00:56	CH	EET MID

Client Sample ID: C39-, 4.1'**Lab Sample ID: 880-30783-14****Date Collected: 07/14/23 09:20****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 04:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C39-, 4.1'

Lab Sample ID: 880-30783-14

Date Collected: 07/14/23 09:20

Matrix: Solid

Date Received: 07/17/23 10:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 05:15	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 01:11	CH	EET MID

Client Sample ID: C-38, 4.1'

Lab Sample ID: 880-30783-15

Date Collected: 07/14/23 09:30

Matrix: Solid

Date Received: 07/17/23 10:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 05:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 05:36	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 01:16	CH	EET MID

Client Sample ID: C-28, 4.1'

Lab Sample ID: 880-30783-16

Date Collected: 07/14/23 09:40

Matrix: Solid

Date Received: 07/17/23 10:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 05:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 05:57	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 01:21	CH	EET MID

Client Sample ID: C-31, 4.1'

Lab Sample ID: 880-30783-17

Date Collected: 07/14/23 09:50

Matrix: Solid

Date Received: 07/17/23 10:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 05:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 06:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-31, 4.1'**Lab Sample ID: 880-30783-17****Date Collected: 07/14/23 09:50****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 01:26	CH	EET MID

Client Sample ID: C-63, 4.1'**Lab Sample ID: 880-30783-18****Date Collected: 07/14/23 10:00****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 06:16	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 06:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 01:31	CH	EET MID

Client Sample ID: C-42, 4.1'**Lab Sample ID: 880-30783-19****Date Collected: 07/14/23 10:10****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 06:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 07:01	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 01:36	CH	EET MID

Client Sample ID: C-23, 4.1'**Lab Sample ID: 880-30783-20****Date Collected: 07/14/23 10:20****Matrix: Solid****Date Received: 07/17/23 10:44**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	58057	07/19/23 15:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58286	07/24/23 06:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 09:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	58160	07/20/23 14:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58511	07/27/23 07:22	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57834	07/17/23 11:11	KS	EET MID
Soluble	Analysis	300.0		1			57964	07/19/23 01:41	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Client Sample ID: C-26, 4.1'
Date Collected: 07/14/23 10:30
Date Received: 07/17/23 10:44

Lab Sample ID: 880-30783-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	58055	07/19/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58258	07/24/23 02:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58302	07/24/23 08:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			58622	07/27/23 08:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	58167	07/20/23 15:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58509	07/26/23 23:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57835	07/17/23 11:12	KS	EET MID
Soluble	Analysis	300.0		1			57913	07/17/23 20:59	CH	EET MID

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

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

- 1
- 2
- 3
- 4
- 5
- 6
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- 10
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- 12
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- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-13

Job ID: 880-30783-1
SDG: 22-0105-13

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30783-1	C-83, 0-2'	Solid	07/14/23 08:00	07/17/23 10:44
880-30783-2	C-84, 0-2'	Solid	07/14/23 08:05	07/17/23 10:44
880-30783-3	C-58, 2'	Solid	07/14/23 08:10	07/17/23 10:44
880-30783-4	C-65, 2'	Solid	07/14/23 08:15	07/17/23 10:44
880-30783-5	C-86, 0-4.1'	Solid	07/14/23 08:20	07/17/23 10:44
880-30783-6	C-35, 4.1'	Solid	07/14/23 08:25	07/17/23 10:44
880-30783-7	C-78, 4.1'	Solid	07/14/23 08:30	07/17/23 10:44
880-30783-8	C-89, 0-4.1'	Solid	07/14/23 08:35	07/17/23 10:44
880-30783-9	C-62, 4.1'	Solid	07/14/23 08:40	07/17/23 10:44
880-30783-10	C-71, 4.1'	Solid	07/14/23 08:45	07/17/23 10:44
880-30783-11	C-70, 4.1'	Solid	07/14/23 08:50	07/17/23 10:44
880-30783-12	C-44, 4.1'	Solid	07/14/23 09:00	07/17/23 10:44
880-30783-13	C-27, 4.1'	Solid	07/14/23 09:10	07/17/23 10:44
880-30783-14	C39-, 4.1'	Solid	07/14/23 09:20	07/17/23 10:44
880-30783-15	C-38, 4.1'	Solid	07/14/23 09:30	07/17/23 10:44
880-30783-16	C-28, 4.1'	Solid	07/14/23 09:40	07/17/23 10:44
880-30783-17	C-31, 4.1'	Solid	07/14/23 09:50	07/17/23 10:44
880-30783-18	C-63, 4.1'	Solid	07/14/23 10:00	07/17/23 10:44
880-30783-19	C-42, 4.1'	Solid	07/14/23 10:10	07/17/23 10:44
880-30783-20	C-23, 4.1'	Solid	07/14/23 10:20	07/17/23 10:44
880-30783-21	C-26, 4.1'	Solid	07/14/23 10:30	07/17/23 10:44

7/27/2023

Arson & Associates, Inc.
Environmental Consultants

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

DATE 7-14-23 PO# 22-0105-13 LAB WORK ORDER# 24-13
PROJECT LOCATION OR NAME Salado Draw PAGE 2 OF 2
LAI PROJECT # 22-0105-13 COLLECTOR KL

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/MD

Field Sample ID

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃H₂SO₄ ☐ NaOH ☐

ICE

UNPRESSERVED

ANALYSES

BTX ☐ TPH 1005 ☐ TPH 1006 ☐
TRP 418 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☐
DIESEL - MOD 8015 ☐
OIL - MOD 8015 ☐
VOC 8260 ☐
SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐
8081 PESTICIDES ☐ 8151 HERBICIDES ☐
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 ☐ PENTACHLORATE ☐
CHLORIDE ANIONS ☐ ALKALINITY ☐

FIELD NOTES

C-28, 4.1'
C-31, 4.1'
C-63, 4.1'
C-42, 4.1'
C-23, 4.1'
C-26, 4.1'

7-14-23 0940
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1010
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1030

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Loc: 880
30783

TOTAL

6

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP

THERM#

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

CARRIER BILL #

HAND DELIVERED

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP

THERM#

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

CARRIER BILL #

HAND DELIVERED

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP

THERM#

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

CARRIER BILL #

HAND DELIVERED

LABORATORY

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CHAIN-OF-CUSTODY

30783 No. 3094

7/27/2023

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-30783-1

SDG Number: 22-0105-13

Login Number: 30783

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/31/2023 2:29:36 PM

JOB DESCRIPTION

Salado Draw 24 13
SDG NUMBER 22-0105-13

JOB NUMBER

880-31288-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

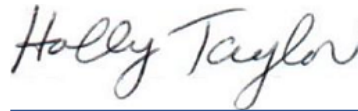
Eurofins Midland

Job Notes

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

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

Authorization



Generated
7/31/2023 2:29:36 PM

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

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Laboratory Job ID: 880-31288-1
SDG: 22-0105-13

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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
SQL	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 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

Job ID: 880-31288-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-31288-1
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Receipt

The samples were received on 7/27/2023 8:48 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-58, 4.1' (880-31288-1), C-86, 0-4.1' (880-31288-2) and C-89, 0-4.1' (880-31288-3).

GC VOA

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

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

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

Client Sample ID: C-58, 4.1'

Lab Sample ID: 880-31288-1

Date Collected: 07/26/23 11:00

Matrix: Solid

Date Received: 07/27/23 08:48

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/27/23 09:10	07/27/23 13:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/27/23 09:10	07/27/23 13:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/27/23 09:10	07/27/23 13:30	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/27/23 09:10	07/27/23 13:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/27/23 09:10	07/27/23 13:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/27/23 09:10	07/27/23 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	07/27/23 09:10	07/27/23 13:30	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/27/23 09:10	07/27/23 13:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/28/23 13:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			07/31/23 15:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		07/27/23 10:26	07/28/23 13:11	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		07/27/23 10:26	07/28/23 13:11	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/27/23 10:26	07/28/23 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130	07/27/23 10:26	07/28/23 13:11	1
o-Terphenyl (Surr)	85		70 - 130	07/27/23 10:26	07/28/23 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		5.03	mg/Kg			07/27/23 21:00	1

Client Sample ID: C-86, 0-4.1'

Lab Sample ID: 880-31288-2

Date Collected: 07/26/23 12:00

Matrix: Solid

Date Received: 07/27/23 08:48

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/27/23 09:10	07/27/23 13:50	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/27/23 09:10	07/27/23 13:50	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/27/23 09:10	07/27/23 13:50	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/27/23 09:10	07/27/23 13:50	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/27/23 09:10	07/27/23 13:50	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/27/23 09:10	07/27/23 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	07/27/23 09:10	07/27/23 13:50	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/27/23 09:10	07/27/23 13:50	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

Client Sample ID: C-86, 0-4.1'

Lab Sample ID: 880-31288-2

Date Collected: 07/26/23 12:00

Matrix: Solid

Date Received: 07/27/23 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/28/23 13:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/31/23 15:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		07/27/23 10:26	07/28/23 13:34	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/27/23 10:26	07/28/23 13:34	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/27/23 10:26	07/28/23 13:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			07/27/23 10:26	07/28/23 13:34	1
o-Terphenyl (Surr)	100		70 - 130			07/27/23 10:26	07/28/23 13:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.8		4.99	mg/Kg			07/27/23 21:15	1

Client Sample ID: C-89, 0-4.1'

Lab Sample ID: 880-31288-3

Date Collected: 07/26/23 13:00

Matrix: Solid

Date Received: 07/27/23 08:48

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/27/23 09:10	07/27/23 14:11	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/27/23 09:10	07/27/23 14:11	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/27/23 09:10	07/27/23 14:11	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/27/23 09:10	07/27/23 14:11	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/27/23 09:10	07/27/23 14:11	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/27/23 09:10	07/27/23 14:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			07/27/23 09:10	07/27/23 14:11	1
1,4-Difluorobenzene (Surr)	104		70 - 130			07/27/23 09:10	07/27/23 14:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/28/23 13:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5	mg/Kg			07/31/23 15:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5	mg/Kg		07/27/23 10:26	07/28/23 13:56	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5	mg/Kg		07/27/23 10:26	07/28/23 13:56	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

Client Sample ID: C-89, 0-4.1'

Lab Sample ID: 880-31288-3

Date Collected: 07/26/23 13:00

Matrix: Solid

Date Received: 07/27/23 08:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.5	U	49.5	mg/Kg		07/27/23 10:26	07/28/23 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130	07/27/23 10:26	07/28/23 13:56	1
o-Terphenyl (Surr)	84		70 - 130	07/27/23 10:26	07/28/23 13:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.7		5.00	mg/Kg			07/27/23 21:20	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

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)
880-31288-1	C-58, 4.1'	74	102
880-31288-1 MS	C-58, 4.1'	102	92
880-31288-1 MSD	C-58, 4.1'	91	97
880-31288-2	C-86, 0-4.1'	88	102
880-31288-3	C-89, 0-4.1'	91	104
LCS 880-58636/1-A	Lab Control Sample	93	102
LCSD 880-58636/2-A	Lab Control Sample Dup	101	97
MB 880-58636/5-A	Method Blank	88	121
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-31288-1	C-58, 4.1'	74	85
880-31288-2	C-86, 0-4.1'	89	100
880-31288-3	C-89, 0-4.1'	74	84
LCS 880-58649/2-A	Lab Control Sample	93	96
LCSD 880-58649/3-A	Lab Control Sample Dup	93	94
MB 880-58649/1-A	Method Blank	85	100
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-31288-1 MS

Matrix: Solid

Analysis Batch: 58623

Client Sample ID: C-58, 4.1'

Prep Type: Total/NA

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-31288-1 MSD

Matrix: Solid

Analysis Batch: 58623

Client Sample ID: C-58, 4.1'

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-58636/5-A

Matrix: Solid

Analysis Batch: 58623

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58636

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		07/27/23 09:10	07/27/23 13:01	1	
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 09:10	07/27/23 13:01	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 09:10	07/27/23 13:01	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/27/23 09:10	07/27/23 13:01	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 09:10	07/27/23 13:01	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/27/23 09:10	07/27/23 13:01	1	
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	88		70 - 130			07/27/23 09:10	07/27/23 13:01	1	
1,4-Difluorobenzene (Surr)	121		70 - 130			07/27/23 09:10	07/27/23 13:01	1	

Lab Sample ID: LCS 880-58636/1-A

Matrix: Solid

Analysis Batch: 58623

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58636

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.09820		mg/Kg		98	70 - 130		
Toluene	0.100	0.09432		mg/Kg		94	70 - 130		
Ethylbenzene	0.100	0.09224		mg/Kg		92	70 - 130		
m,p-Xylenes	0.200	0.1929		mg/Kg		96	70 - 130		
o-Xylene	0.100	0.09221		mg/Kg		92	70 - 130		
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	93		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

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

Lab Sample ID: LCSD 880-58636/2-A

Matrix: Solid

Analysis Batch: 58623

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58636

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1038		mg/Kg		104	70 - 130	6	35
Toluene	0.100	0.09616		mg/Kg		96	70 - 130	2	35
Ethylbenzene	0.100	0.09697		mg/Kg		97	70 - 130	5	35
m,p-Xylenes	0.200	0.2101		mg/Kg		105	70 - 130	9	35
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-58649/1-A

Matrix: Solid

Analysis Batch: 58688

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58649

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/27/23 10:26	07/28/23 08:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/27/23 10:26	07/28/23 08:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/27/23 10:26	07/28/23 08:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	07/27/23 10:26	07/28/23 08:17	1
o-Terphenyl (Surr)	100		70 - 130	07/27/23 10:26	07/28/23 08:17	1

Lab Sample ID: LCS 880-58649/2-A

Matrix: Solid

Analysis Batch: 58688

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	705.1		mg/Kg		71	70 - 130
Diesel Range Organics (Over C10-C28)	1000	987.8		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-58649/3-A

Matrix: Solid

Analysis Batch: 58688

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58649

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	719.8		mg/Kg		72	70 - 130	2	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

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

Lab Sample ID: LCSD 880-58649/3-A

Matrix: Solid

Analysis Batch: 58688

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58649

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	961.6		mg/Kg		96	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	93		70 - 130						
o-Terphenyl (Surr)	94		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-58640/1-A

Matrix: Solid

Analysis Batch: 58695

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/27/23 20:15	1

Lab Sample ID: LCS 880-58640/2-A

Matrix: Solid

Analysis Batch: 58695

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.7		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-58640/3-A

Matrix: Solid

Analysis Batch: 58695

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	237.8		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

GC VOA

Analysis Batch: 58623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31288-1	C-58, 4.1'	Total/NA	Solid	8021B	58636
880-31288-2	C-86, 0-4.1'	Total/NA	Solid	8021B	58636
880-31288-3	C-89, 0-4.1'	Total/NA	Solid	8021B	58636
MB 880-58636/5-A	Method Blank	Total/NA	Solid	8021B	58636
LCS 880-58636/1-A	Lab Control Sample	Total/NA	Solid	8021B	58636
LCSD 880-58636/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58636
880-31288-1 MS	C-58, 4.1'	Total/NA	Solid	8021B	
880-31288-1 MSD	C-58, 4.1'	Total/NA	Solid	8021B	58640

Prep Batch: 58636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31288-1	C-58, 4.1'	Total/NA	Solid	5035	
880-31288-2	C-86, 0-4.1'	Total/NA	Solid	5035	
880-31288-3	C-89, 0-4.1'	Total/NA	Solid	5035	
MB 880-58636/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58636/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58636/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Leach Batch: 58640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31288-1 MSD	C-58, 4.1'	Total/NA	Solid	DI Leach	

Analysis Batch: 58736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31288-1	C-58, 4.1'	Total/NA	Solid	Total BTEX	
880-31288-2	C-86, 0-4.1'	Total/NA	Solid	Total BTEX	
880-31288-3	C-89, 0-4.1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 58649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31288-1	C-58, 4.1'	Total/NA	Solid	8015NM Prep	
880-31288-2	C-86, 0-4.1'	Total/NA	Solid	8015NM Prep	
880-31288-3	C-89, 0-4.1'	Total/NA	Solid	8015NM Prep	
MB 880-58649/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-58649/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-58649/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 58688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31288-1	C-58, 4.1'	Total/NA	Solid	8015B NM	58649
880-31288-2	C-86, 0-4.1'	Total/NA	Solid	8015B NM	58649
880-31288-3	C-89, 0-4.1'	Total/NA	Solid	8015B NM	58649
MB 880-58649/1-A	Method Blank	Total/NA	Solid	8015B NM	58649
LCS 880-58649/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	58649
LCSD 880-58649/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	58649

Analysis Batch: 58892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31288-1	C-58, 4.1'	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

GC Semi VOA (Continued)

Analysis Batch: 58892 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31288-2	C-86, 0-4.1'	Total/NA	Solid	8015 NM	
880-31288-3	C-89, 0-4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 58640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31288-1	C-58, 4.1'	Soluble	Solid	DI Leach	
880-31288-2	C-86, 0-4.1'	Soluble	Solid	DI Leach	
880-31288-3	C-89, 0-4.1'	Soluble	Solid	DI Leach	
MB 880-58640/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58640/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58640/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 58695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31288-1	C-58, 4.1'	Soluble	Solid	300.0	58640
880-31288-2	C-86, 0-4.1'	Soluble	Solid	300.0	58640
880-31288-3	C-89, 0-4.1'	Soluble	Solid	300.0	58640
MB 880-58640/1-A	Method Blank	Soluble	Solid	300.0	58640
LCS 880-58640/2-A	Lab Control Sample	Soluble	Solid	300.0	58640
LCSD 880-58640/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58640

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

Client Sample ID: C-58, 4.1'

Lab Sample ID: 880-31288-1

Date Collected: 07/26/23 11:00

Matrix: Solid

Date Received: 07/27/23 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	58636	07/27/23 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58623	07/27/23 13:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58736	07/28/23 13:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58892	07/31/23 15:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	58649	07/27/23 10:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58688	07/28/23 13:11	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	58640	07/27/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			58695	07/27/23 21:00	CH	EET MID

Client Sample ID: C-86, 0-4.1'

Lab Sample ID: 880-31288-2

Date Collected: 07/26/23 12:00

Matrix: Solid

Date Received: 07/27/23 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	58636	07/27/23 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58623	07/27/23 13:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58736	07/28/23 13:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58892	07/31/23 15:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	58649	07/27/23 10:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58688	07/28/23 13:34	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58640	07/27/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			58695	07/27/23 21:15	CH	EET MID

Client Sample ID: C-89, 0-4.1'

Lab Sample ID: 880-31288-3

Date Collected: 07/26/23 13:00

Matrix: Solid

Date Received: 07/27/23 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	58636	07/27/23 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58623	07/27/23 14:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58736	07/28/23 13:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			58892	07/31/23 15:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	58649	07/27/23 10:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58688	07/28/23 13:56	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58640	07/27/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1			58695	07/27/23 21:20	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

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

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

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 13

Job ID: 880-31288-1
SDG: 22-0105-13

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31288-1	C-58, 4.1'	Solid	07/26/23 11:00	07/27/23 08:48
880-31288-2	C-86, 0-4.1'	Solid	07/26/23 12:00	07/27/23 08:48
880-31288-3	C-89, 0-4.1'	Solid	07/26/23 13:00	07/27/23 08:48

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

Varson & Associates, Inc.
Environmental Consultants

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

Data Reported to

DATE 7/26/2023 PO# LAB WORK ORDER# PAGE 1 OF 1
PROJECT LOCATION OR NAME Salado Draw 2413
LA-PROJECT # 22-0105-13 COLLECTOR KC

CHAIN-OF-CUSTODY

31288 No. 3096

TRRP report?
☐ Yes ☒ No

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

TIME ZONE
Time zone/State
MST/ NM

Field
Sample I D

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃

H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES

BTEX/MTBE ☐
TPH 418 1 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☒
DIESEL - MOD 8015 ☒
OIL - MOD 8015 ☒
VOC 8260 ☒
SVOC 8270 ☒
8081 PESTICIDES ☒
8082 PCBs ☒
TCDF - METALS (RCRA) ☐ TCDF VOC ☐
TOTAL METALS (RCRA) ☐ Semi-VOC ☐
LEAD - TOTAL ☐ DW 2008 ☐ TCDF ☐
RCL ☐ TOX ☐ FLASHPOINT ☐
TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
PH ☐ HEXAVALENT CHROMIUM ☐
EXPLOSIVES ☐ PENTACHLORATE ☐
CHLORIDE ANIONS ☐ ALKALINITY ☐

FIELD NOTES

C-58, 4.1'
C-86, 0-4.1'
C-89, 0-4.1'

7/26/2023

1200

S

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

TOTAL

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP

THERM#

LABORATORY

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP

THERM#

LABORATORY

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP

THERM#

LABORATORY

RECEIVED BY (Signature)

LABORATORY

RECEIVED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP

THERM#

LABORATORY

RECEIVED BY (Signature)



880-31288 Chain of Custody

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-31288-1

SDG Number: 22-0105-13

Login Number: 31288

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

Appendix F
Photographic Documentation

Tracking Number: nAPP2225428183
Closure Report
Chevron USA, Inc., Salado Draw Pad 415
Produced Water Release
August 16, 2023



View of location sign



Impacted area viewing southwest, September 7, 2022

Tracking Number: nAPP2225428183
Closure Report
Chevron USA, Inc., Salado Draw Pad 415
Produced Water Release
August 16, 2023



Impacted area viewing southeast, September 7, 2022



Impacted area viewing south/southeast, September 7, 2022

Tracking Number: nAPP2225428183
Closure Report
Chevron USA, Inc., Salado Draw Pad 415
Produced Water Release
August 16, 2023



Impacted area viewing north, September 7, 2022



Impacted area viewing north, September 7, 2022

Tracking Number: nAPP2225428183
Closure Report
Chevron USA, Inc., Salado Draw Pad 415
Produced Water Release
August 16, 2023



Initially excavated area viewing south, May 3, 2023



Initially excavated area viewing southwest, May 3, 2023

Tracking Number: nAPP2225428183
Closure Report
Chevron USA, Inc., Salado Draw Pad 415
Produced Water Release
August 16, 2023



Initially excavated area viewing southeast, May 3, 2023



Initially excavated area viewing east, May 3, 2023

Tracking Number: nAPP2225428183
Closure Report
Chevron USA, Inc., Salado Draw Pad 415
Produced Water Release
August 16, 2023



Initially excavated area viewing north, May 3, 2023



Initially excavated area viewing northwest, May 3, 2023

Tracking Number: nAPP2225428183
Closure Report
Chevron USA, Inc., Salado Draw Pad 415
Produced Water Release
August 16, 2023



Additional excavated area viewing south, July 21, 2023



Additional excavated area viewing south, July 21, 2023

Tracking Number: nAPP2225428183
Closure Report
Chevron USA, Inc., Salado Draw Pad 415
Produced Water Release
August 16, 2023



Additional excavated area viewing west, July 21, 2023



Additional excavated area viewing west, July 21, 2023

Tracking Number: nAPP2225428183
Closure Report
Chevron USA, Inc., Salado Draw Pad 415
Produced Water Release
August 16, 2023



Backfilled area viewing north, August 14, 2023



Backfilled area viewing north, August 14, 2023

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

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

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

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

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

CONDITIONS

Action 255902

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 255902
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/6/2023