State of New Mexico
Oil Conservation Division

Incident ID	nRM2008756964
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?	>115 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

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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: Timsan Bricker Title: Environmental Coordinator

Signature: Date: 7/18/2023

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

OCD Only

Received by: Shelly Wells Date: 7/18/2023

State of New Mexico
Oil Conservation Division

Incident ID	nRM2008756964
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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: Timsan Bricker Title: Environmental Coordinator

Signature: Date: 7/18/2023

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

OCD Only

Received by: Shelly Wells Date: 7/18/2023

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

Signature: Date:

State of New Mexico
Oil Conservation Division

Incident ID	nRM2008756964
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ 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: Timsan Bricker Title: Environmental Coordinator

Signature: Timsan Bricker Date: 7/18/2023

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

OCD Only

Received by: Shelly Wells Date: 7/18/2023

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: Nelson Velez Date: 10/06/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given 10/06/2023. Release resolved.

Tracking Numbers: nRM2008756964
Closure Report
Red Tanks
Produced Water Release
Lea County, New Mexico

Latitude: N 32.337559°
Longitude: W -103.717487°

LAI Project No. 22-0104-05

July 14, 2023

Prepared for:
Select Water Solutions, Inc.
PO Box 1715
Gainesville, Texas 76241

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

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

Robert Nelson
Project Manager

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1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this closure report on behalf of Select Water Solutions, Inc. (Select) for submittal to the New Mexico Oil Conservation Division (NMOCD) District I for a produced water release at the Red Tanks (Site) located in Unit D (Lot 4), Section 6, Township 23 South, Range 32 East in Lea County, New Mexico. The geodetic position is North 32.337559° and West -103.717487 °. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was initially discovered on March 11, 2020, when Charger Services, LLC (Charger) struck a Select lay-flat line with an excavator while burying a pipeline for Solaris Water Midstream, LLC (Solaris). Select reported that approximately 2,160 barrels (bbls) of produced water were released with no recovery. The affected area measures approximately 34,678 square feet. The initial C-141 was submitted to NMOCD District I on March 27, 2020. The water release was assigned incident number nRM2008756964. Appendix A presents the initial C-141.

Between April 2020 and March 2022, Charger Services and Select were in litigation regarding the responsible party for the release. On March 25, 2022, LAI personnel conducted an electromagnetic (EM) survey to qualitatively assess the subsurface soils for impacts relating to the produced water release. The survey was conducted using an EM-31 which has exploration capabilities ranging from 0 to 9.8 feet below ground surface (bgs) in the horizontal dipole (HD) mode and 0 to 19.7 feet bgs in the vertical dipole (VD) mode. The EM measurements were collected in the HD and VD modes and compared to a background reading collected nearby at a location free of cultural interference (i.e.., building, overhead and underground utility lines, pipelines, roads, etc.) and environmental impacts. The measurements collected were used to accurately map the boundaries of the release and assess anomalies from the produced water release which results in higher conductivity than the surrounding native soil. Figure 3a and Figure 3b present the EM-31 HD and VD maps, respectively.

On April 5, 2022, LAI personnel provided notification to the Bureau of Land Management (BLM) as landowner to collect soil samples to delineation the release vertically and horizontally. On April 6, 2022, LAI received approval from the BLM to "*begin remediation and clean-up of this release, to include full vertical and horizontal delineation"*. Appendix B presents the BLM communications.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,519 feet above mean sea level (msl).
- The surface elevation gradually decreases to the northwest.
- There are no surface water features within 1,000 feet of the Site.
- Karst data provided by the USGS describes the Site as "Low risk" potential.
- The soils are designated as Maljamar and Palomas fine sands, 0 to 3 precent slopes, consisting of 0 to 24 inches fine sand, underlain by 24 inches of sandy clay loam, and 50 to 60 inches of cemented material (caliche).
- The surface geology is Quaternary age (Holocene) eolian sand, dunes, dune ridges, and sheet undivided.

- Groundwater occurs at a depth greater than 115 feet below ground surface (bgs) based on depth to groundwater measurements take 72 hours after installing a boring (GWB-1) on October 13, 2022, approximately 0.11 mile or 596 feet northeast of the Site.

Figure 2 presents the groundwater bore location. Appendix C presents USGS data depicting karst risk potential. Appendix D presents the soil boring log.

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

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

2.0 DELINEATION

The release was fully delineated between September 13, 2022 and November 4, 2022. The delineation was reported to the NMOCD in the document titled "Tracking Number: nRM2008756964, Delineation Report and Remediation Plan, Red Tanks Produced Water Release, Lea County, New Mexico, January 21, 2023", and recommended the following remediation:

- Excavate soil from an area measuring approximately 1,225 square feet encompassing sample locations S-4 and S-11 to a depth of approximately 4.1 feet bgs.
- Collect five (5) point composite bottom and sidewall confirmation soil samples every 200 square feet and analyze for BTEX, TPH and chloride.
- Backfill excavation with clean caliche on the road and topsoil in the ROW assuming achievement of NMOCD remediation levels.
- Seed the excavation area within the ROW and pasture with BLM Mix #2.
- Prepare report with photographs for submittal to NMOCD District I.

NMOCD approved the remediation plan on February 1, 2023.

3.0 REMEDIATION

Between March and June 2023, Unlimited Construction (Unlimited), excavated soil to a maximum depth of approximately 4.1 feet bgs from the spill area measuring approximately 1,225 square feet and encompassing sample locations S-4 and S-11. Contaminated soil was stockpiled on a liner adjacent to the excavation, with approximately 200 cubic yards of soil later hauled to Lea Land Landfill, LLC, a NMOCD permitted disposal facility located between Hobbs and Carlsbad, New Mexico. The excavation on the lease road was split into two (2) separate excavations to minimize disruption to traffic on the lease road.

On April 3 and 5, 2023, and June 16, 2023, LAI personnel collected twenty-three (23) bottom and sidewall (C-1 through C-23) confirmation soil samples from within the excavated areas. The soil samples were delivered under chain of custody and preservation to the Eurofins-Xenco Laboratories (Xenco) in Midland, Texas. The laboratory analyzed the samples for BTEX, TPH, and chloride by EPA SW-846 Methods 8021B, 8015M, and EPA Method 300E, respectively. Benzene, BTEX, TPH and chloride were reported below the NMOCD remediation standards in all confirmation composite soil samples.

On April 12, 2023, LAI personnel notified NMOCD of the pending excavation backfilling. The notice was for backfilling the east excavation containing confirmation samples C-11 through C-16. On June 27, 2023, LAI personnel notified NMOCD that the remaining excavation area (C-17 through C-23) was to be backfilled. On July 5, 2023, LAI personnel collected two (2) composite samples (BF-1 and BF-2) of clean caliche and topsoil of the backfilled material. Xenco analyzed the samples for BTEX, TPH, and chloride, Benzene, BTEX, and TPH were below the analytical method reporting limits (RLs) and chloride was less than 600 mg/Kg. The excavation area in the pasture was seeded with BLM Mix #2. Appendix E presents the NMOCD notifications. Appendix F presents the laboratory reports. Appendix G presents the photographic documentation.

4.0 CLOSURE REQUEST

Select requests no further action for nRM2008756964.

Tables

Table 1
Soil Sample Analytical Data Summary
Select Energy - Red Tanks
Lea County, New Mexico
32° 20' 14.22" N, 103° 43' 4.64" W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100/2,500**	**600/20,000**
S-1	1	11/03/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	18.4
	3	11/03/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	16.0
	5	11/03/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	27.5
S-2	1	11/03/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	16.0
	3	11/03/2022	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	20.9
	5	11/03/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	86.2
S-3	1	11/03/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	26.9
	3	11/03/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	43.3
	5	11/03/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	91.3
S-4	1	11/03/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	365
	3	11/03/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	**773**
	5	11/03/2022	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	999
S-5	1	11/03/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	32.1
	3	11/03/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	30.9
	5	11/03/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	30.4
S-6	1	11/03/2022	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	26.0
	3	11/03/2022	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	25.9
	5	11/03/2022	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	32.4

Table 1
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Select Energy - Red Tanks
Lea County, New Mexico
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Remediation Level:				**10**	**50**				**100/2,500**	**600/20,000**
S-7	1	11/03/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	13.0
	3	11/03/2022	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	19.3
	5	11/03/2022	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	14.8
S-8	1	11/02/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	17.0
	3	11/02/2022	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	19.8
	5	11/02/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	20.3
S-9	1	11/02/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	15.6
	3	11/02/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	21.2
	5	11/02/2022	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	27.6
S-10	1	11/02/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	67.0
	3	11/02/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	51.3
	5	11/02/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	123
S-11	1	11/02/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	67.8
	3	11/02/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	**646**
	5	11/02/2022	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	674
S-12	1	11/02/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	13.4
	3	11/02/2022	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	13.9

Table 1
Soil Sample Analytical Data Summary
Select Energy - Red Tanks
Lea County, New Mexico
32° 20' 14.22" N, 103° 43' 4.64" W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100/2,500**	**600/20,000**
	5	11/02/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	13.2
S-13	1	11/02/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	31.1
	3	11/02/2022	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	30.1
	5	11/02/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	21.9
S-14	1	09/14/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	3.85
	3	09/14/2022	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	6.26
	5	09/14/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	10.6
	10	09/14/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	9.12
S-15	1	09/14/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	4.55
	3	09/14/2022	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	4.95
	5	09/14/2022	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	482
	10	09/14/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	1,450
	15	09/14/2022	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	819
	20	09/14/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	92.7
S-16	1	09/14/2022	In-Situ	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	266
	3	09/14/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	197
	5	09/14/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	223
	10	09/14/2022	In-Situ	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	16.1

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Select Energy - Red Tanks
Lea County, New Mexico
32° 20' 14.22" N, 103° 43' 4.64" W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100/2,500**	**600/20,000**
S-17	1	09/14/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	30.3
	3	09/14/2022	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	44.0
	5	09/14/2022	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	137
	10	09/14/2022	In-Situ	<0.00108	<0.00215	<26.9	<26.9	<26.9	<26.9	24.2
S-18	1	09/13/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	19.9
	3	09/13/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	20.1
	5	09/13/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	43.2
	10	09/13/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	2,020
	15	09/13/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	1,210
	20	09/13/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	59.6
S-19	1	09/13/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	7.86
	3	09/13/2022	In-Situ	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	16.9
	5	09/13/2022	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	174
	10	09/13/2022	In-Situ	<0.00114	<0.00227	<28.4	<28.4	<28.4	<28.4	4,910
	15	09/13/2022	In-Situ	<0.00112	<0.00225	<28.1	<28.1	<28.1	<28.1	199
S-20	1	09/12/2022	In-Situ	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	3.76
	3	09/12/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	3.67
	5	09/12/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	3.65
	10	09/12/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	9.60

Table 1
Soil Sample Analytical Data Summary
Select Energy - Red Tanks
Lea County, New Mexico
32° 20' 14.22" N, 103° 43' 4.64" W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				**10**	**50**				**100/2,500**	**600/20,000**
S-21	1	09/14/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	4.52
	3	09/14/2022	In-Situ	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	3.89
	5	09/14/2022	In-Situ	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	10.3
	10	09/14/2022	In-Situ	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	7.24
S-22	1	11/04/2022	In-Situ	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	16.2
	3	11/04/2022	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	17.2
	5	11/04/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	15.4
S-23	1	09/12/2022	In-Situ	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	5.95
	3	09/12/2022	In-Situ	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	4.31
	5	09/12/2022	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	3.95
	10	09/12/2022	In-Situ	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	6.53

Notes: Analysis performed byPermian Basin Environmental Laboratories (PBEL) and Xenco Laboratories 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
Red Tanks PW Release
Lea County, New Mexico
32° 20' 14.22"N, 103° 43' 4.64"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	4.1	04/03/2023	In-Situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	82.2
C-2	Bottom	4.1	04/03/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	2,050
C-3	Bottom	4.1	04/03/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	230
C-4	Bottom	4.1	04/03/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	191
C-5	Bottom	4.1	04/03/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	1,170
C-6	Bottom	4.1	04/03/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	417
C-7	Bottom	4.1	04/03/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	273
C-8	Sidewall	0 - 4.1	04/03/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	111
C-9	Sidewall	0 - 4.1	04/03/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	146
C-10	Sidewall	0 - 4.1	04/03/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	6.66
C-11	Bottom	4.1	04/05/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	127
C-12	Bottom	4.1	04/05/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	50.0
C-13	Bottom	4.1	04/05/2023	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	8.14
C-14	Bottom	4.1	04/05/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	16.5
C-15	Sidewall	0 - 4.1	04/05/2023	In-Situ	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	7.24
C-16	Sidewall	0 - 4.1	04/05/2023	In-Situ	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	35.5
C-17	Bottom	4.1	06/16/2023	In-Situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	85.3
C-18	Bottom	4.1	06/16/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	35.6
C-19	Bottom	4.1	06/16/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	162
C-20	Bottom	4.1	06/16/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	83.5
C-21	Sidewall	0 - 4.1	06/16/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	74.9
C-22	Sidewall	0 - 4.1	06/16/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	157
C-23	Sidewall	0 - 4.1	06/16/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	121
BF-1	--	--	07/05/2023	In-Situ	<0.00198	<0.00396	<49.5	<49.5	<49.5	<49.5	250
BF-2	--	--	07/05/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	38.0

Notes: analysis performed by Permian Basin Environmental Lab (PBEL) and Eurofins-Xenco (Xenco), Midland, Texas by EPA SW-846 Methods 8021B (BTEX) and 8015M

Table 2
Confirmation Soil Sample Analytical Data Summary
Red Tanks PW Release
Lea County, New Mexico
32° 20' 14.22"N, 103° 43' 4.64"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***

(TPH), and 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 above NMOCD closure criteria

Figures

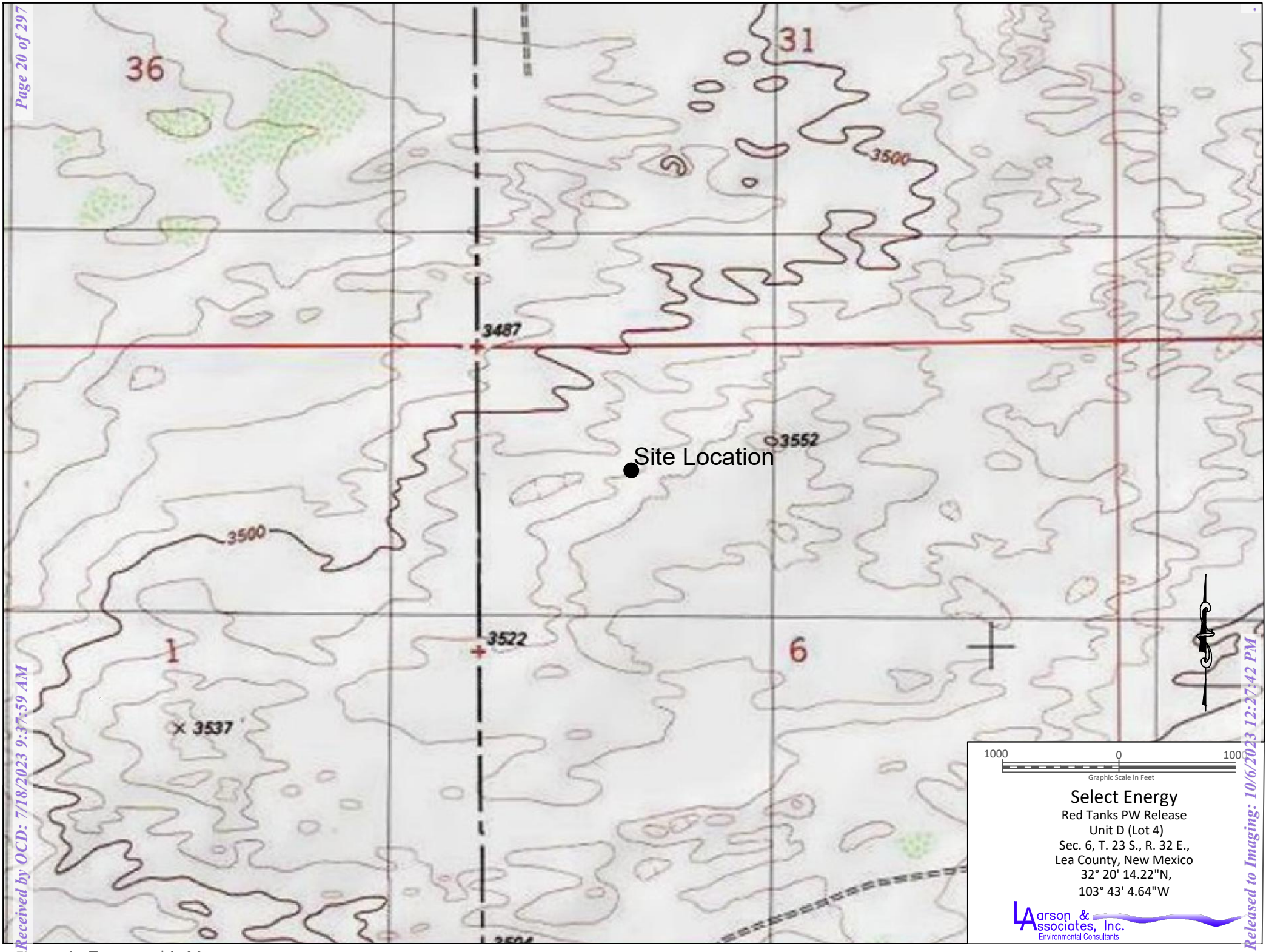

Figure 1 - Topographic Map

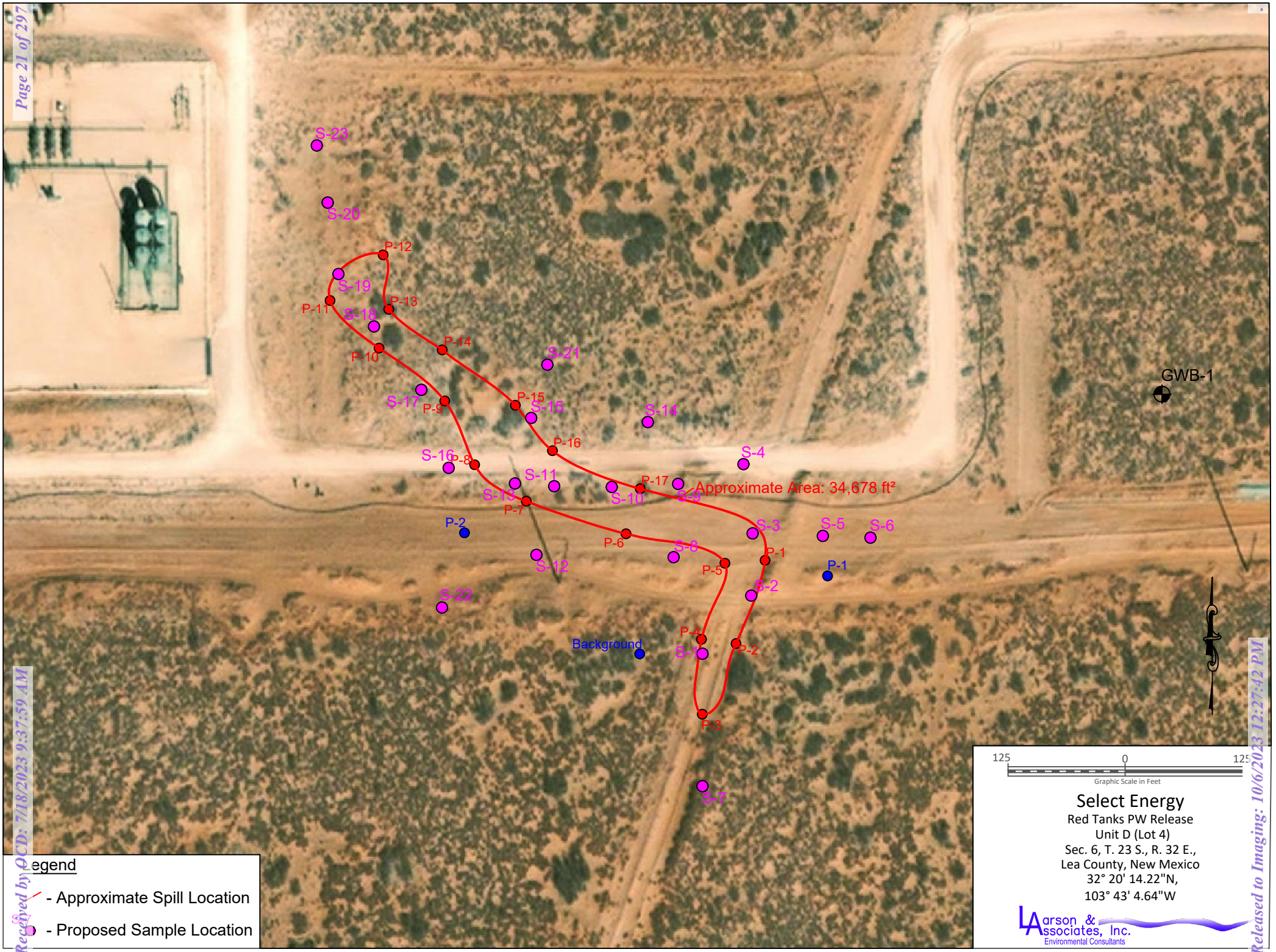

Figure 2 - Aerial Map Showing Approximate Spill Area

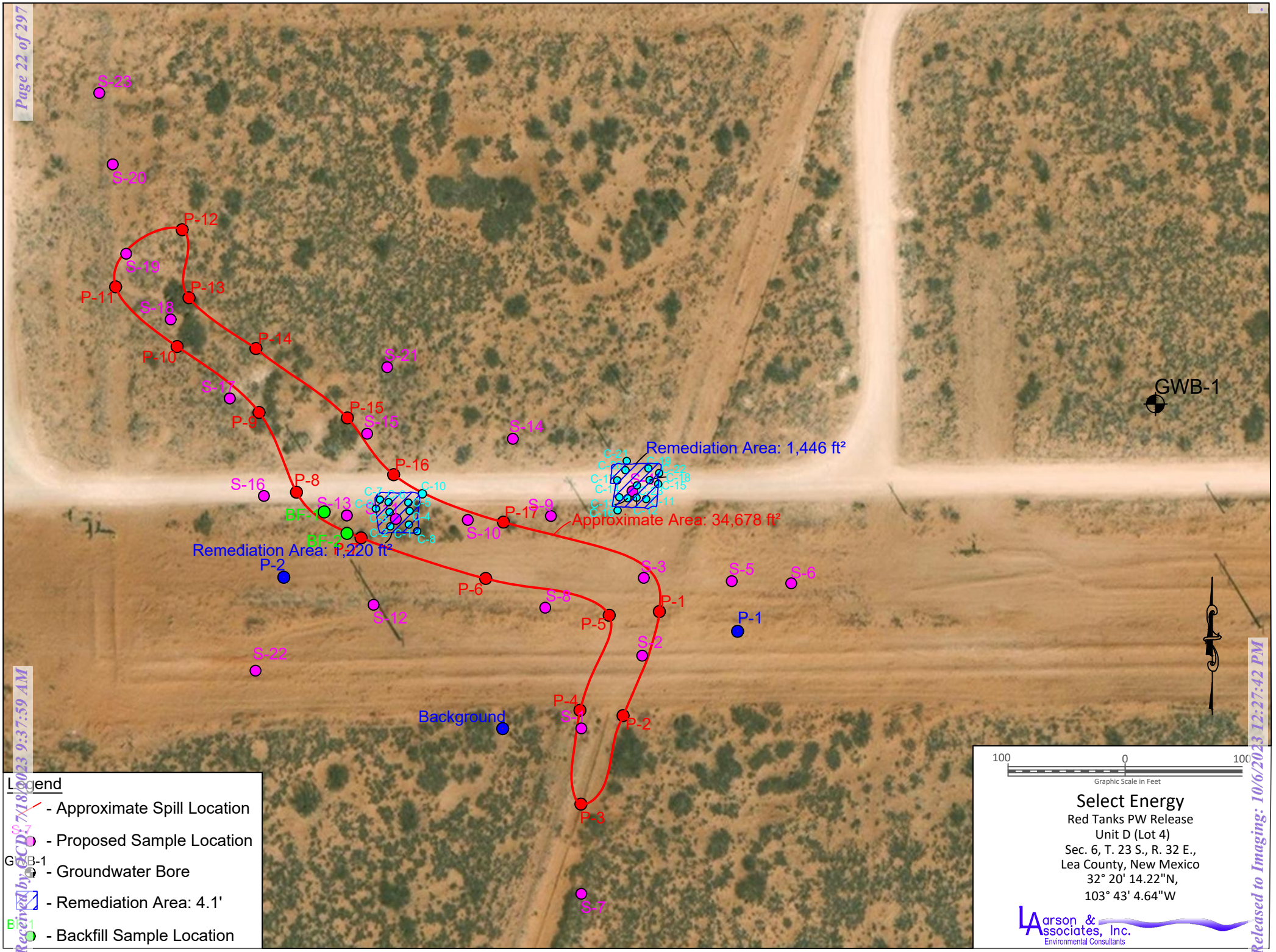

Figure 4 - Aerial Map Showing Remediation Areas and Confirmation Samples

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

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

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
C				

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)	Volume Recovered (bbls)
	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		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☐ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Appendix B

BLM Communications

From: Morgan, Crisha A
To: Flores, Rick R; Robert Nelson
Cc: Halie Butler; Mark Larson; Amos, James A; CFO_Spill, BLM_NM
Subject: Re: [EXTERNAL] Select Energy, Red Tanks Produced Water Release BLM Update and Approval Request
Date: Wednesday, April 6, 2022 10:50:07 AM
Attachments: image001.png
Outlook-pvoqpi5u.png
MUE FORM 2022.docx

All,

My Environmental review is as follows:

BLM Surface/ BLM Minerals
No Cave/Karst
An Arch Survey will not be required for this release as it falls in a previously surveyed area
This release is within Lesser Prairie Chicken Habitat
BLM Seed Mixture #2 LPC is required for the reclamation of this spill

Please submit a Sundry Notice of Intent for a disturbance request with the estimated acreage of disturbance for the release and clean-up, as well as the completed MUE form attached above. Also, please submit any information that you have pertaining to the litigation findings so we can add this information to this spill file.

Please consider this BLM's approval to begin remediation and clean-up for this release, to include full vertical and horizontal delineation. Please keep the BLM updated if any problems prevent remediation for the site.

If you have any questions or concerns, please let me know.

Thank you,

Crisha A. Morgan |Certified - Environmental Protection Specialist | Program Officer|COR| Spills Coordinator| Orphaned Well POC Lead
Bureau of Land Management | Carlsbad Field Office
620 E. Greene Street Carlsbad, NM 88220
Cell 575-200-8648 | Office 575-234-5987 |camorgan@blm.gov

From: Flores, Rick R <rflores@blm.gov>
Sent: Tuesday, April 5, 2022 8:06 PM
To: Robert Nelson <rnelson@laenvironmental.com>; Morgan, Crisha A <camorgan@blm.gov>
Cc: Halie Butler <HButler@selectenergy.com>; Mark Larson <Mark@laenvironmental.com>
Subject: Re: [EXTERNAL] Select Energy, Red Tanks Produced Water Release BLM Update and Approval Request

Robert,

From the map provided, this looks like the Carlsbad Field Office should have been notified immediately since this was a major undesirable event that occurred.

I have added Crisha Morgan to this email, she does a lot of work for Carlsbad in the undesirable events. She will probably be requesting more information if there was never any notice sent to BLM.

Thanks,

Ricky Flores

Natural Resource Specialist
U.S. Dept. of the Interior
Bureau of Land Management
Roswell Field Office
2909 W. 2nd St.
Roswell, NM 88201
575-627-0339

From: Robert Nelson <rnelson@laenvironmental.com>
Sent: Tuesday, April 5, 2022 8:15 AM
To: Flores, Rick R <rflores@blm.gov>
Cc: Halie Butler <HButler@selectenergy.com>; Mark Larson <Mark@laenvironmental.com>
Subject: [EXTERNAL] Select Energy, Red Tanks Produced Water Release BLM Update and Approval Request

Hello Mr. Flores,

On March 11, 2020, Charger Services, under contract with Solaris Water Midstream to construct a buried pipeline, struck a Select Energy Services, Inc. (Select) lay-flat line releasing approximately

2,160 barrels (bbls) of treated produced water with no fluid recovery. Fluid was released into the right of way (ROW) and nearby pasture to the northeast. Larson & Associates, Inc. (LAI) personnel initially mapped the spill area on April 16, 2020 and collected photographic documentation of the release area.

Between April 2020 and March 2022, Charger Services and Select Energy were in litigation regarding the responsible party for the release. On March 25, 2022, LAI personnel conducted an electromagnetic (EM) survey to qualitatively assess the subsurface soils for impacts relating to the produced water release. The EM survey was conducted using an EM-31 which has exploration capabilities ranging from 0 to 9.8 feet below ground surface (bgs) in the HD mode and 0 to 19.7 feet bgs in the VD mode. The EM measurements were collected in the HD and VD mode and compared to the background reading at a location free of cultural interference and environmental impacts. The measurements collected were used to accurately map the boundaries of the release and assess anomalies from the produced water which result in higher conductivity than the surrounding native soil.

The EM measurements and the subsequent conductivity maps depict the release that occurred in the ROW and spread into the adjacent pasture to the northwest. LAI personnel requests approval from the Bureau of Land Management (BLM) as land owner to collect soil samples to vertically and horizontally delineate the release according to 19.15.29.12 (C) NMAC. LAI personnel will use the Geoprobe 7822DT direct push rig to collect soil samples to a depth of approximately ten (10) feet bgs. Please find attached the initial C-141 submitted to the NMOCD and spill area with proposed delineation locations. If you have any questions regarding this information please let me know.

Thank you,

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

Appendix C

Karst Risk Potential


Low
Red Tanks

Appendix D

Soil Boring Log

BORING RECORD

Start: 9:46 MST
Finish: 11:46

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG
	0	Sand, 7.5YR 7/6, Reddish Yellow, Very Fine Grained Quartz Sand, Well Sorted, Well Rounded	SW	
	5		Caliche	
	10	Caliche, 7.5YR 8/1, White, Well Cemented	SW	
	15	Sand, 5YR 6/6, Reddish Yellow, Very Fine Grained Quartz Sand, Well Sorted, Well Rounded		
	20			
	25			
	30			
	35		SW	
	40			
	45			
	50			
	55		SW	
	60	Sandstone, 7.5YR 6/6, Reddish Yellow, Coarse Sand, Sub Rounded		
	65	" " Sub Angular	Sand Stone	

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

SAMPLE

NUMBER	PID READING	RECOVERY	DEPTH
			1
			5
			10
			15
			20
			25
			30
			35
			40
			45
			50
			55
			60
			65

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

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

JOB NUMBER : Select Energy/ 22-0104-05
HOLE DIAMETER : 5"
LOCATION : Red Tanks PW Release 32° 20' 14.22"N, 103° 43' 4.64"W
LAI GEOLOGIST : R. Nelson
DRILLING CONTRACTOR : SDI
DRILLING METHOD : Air Rotary

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 10/13/2022

BORING NUMBER : GWB-1

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 09:46 MST Finish: 11:46 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING PPM X _____ 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING SOIL : _____ PPM SOIL : _____ PPM
	70	Sand, 5YR 6/6, Reddish Yellow, Very Fine Grained Quartz Sand, Well Sorted, Well Rounded	SW							
	75									
	80									
	85	Clay, 5YR 6/6, Reddish Yellow, Very Fine Grained Quartz Sand, Well Sorted, Well Rounded	CH							
	90									
	95									
	100									
	105									
	110									
	115	TD: 115 Dry								
	120									
	125									
	130									

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

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 10/13/2022

BORING NUMBER : GWB-1

JOB NUMBER : Select Energy/ 22-0104-05
HOLE DIAMETER : 5"
LOCATION : Red Tanks PW Release 32° 20' 14.22"N, 103° 43' 4.64"W
LAI GEOLOGIST : R. Nelson
DRILLING CONTRACTOR : SDI
DRILLING METHOD : Air Rotary

Appendix E

NMOCD Communications

Robert Nelson

From: Daniel St. Germain
Sent: Wednesday, April 12, 2023 11:20 AM
To: Hamlet, Robert, EMNRD; Jennifer.Nobui@emnrd.nm.gov
Cc: Mark Larson; Robert Nelson; hbutler@selectenergy.com; Timsan Bricker
Subject: Backfill Notification - Red Tanks Produced Water Release (nRM2008756964)
Attachments: Figure 4 - Aerial Map Showing Remediation Areas and Confirmation Samples.pdf; Table-2_Confirmation-Sample-Analytical-Summary_Red-Tanks.pdf

Hello Mr. Hamlet and Ms. Nobui ,

Larson & Associates, Inc. (LAI), on behalf of Select Energy Services, submits the attached confirmation sample analytical data summary and excavation drawing with sample locations to the New Mexico Oil Conservation Division (NMOCD) to provide two (2) business days notification prior to backfilling portions of the excavation at the Red Tanks produced water release (nRM2008756964) in Lea County, New Mexico. The portions to be backfilled include the eastern excavation containing confirmation samples C-11 through C-16, due to its partial intrusion on a high traffic lease road. Please feel free to contact Halie Butler with Select Energy at 281-467-3153 or hbutler@selectenergy.com, Mark Larson (432) 556-8656 or mark@laenvironmental.com, Robert Nelson (432) 664-4804 or rnelson@laenvironmental.com or me with any questions or concerns.

Respectfully,

Daniel St. Germain
Geologist
Office: (432) 687-0901
Cell: (432) 664-5357
dstgermain@laenvironmental.com

Larson & Associates, Inc.
Environmental Consultants

Robert Nelson

From: Robert Nelson
Sent: Tuesday, June 27, 2023 2:11 PM
To: Hamlet, Robert, EMNRD; Nobui, Jennifer, EMNRD
Cc: Halie Butler; Timsan Bricker; Mark Larson; Daniel St. Germain
Subject: Red Tanks PW Release (nRM2008756964) Excavation Backfill Notice
Attachments: Table-2_Confirmation-Sample-Analytical-Summary_Red-Tanks.pdf; Figure 4 - Aerial Map Showing Remediation Areas and Confirmation Samples.pdf

Hello Mr. Hamlet and Ms. Nobui,

Larson & Associates, Inc. (LAI), on behalf of Select Energy Services (Select) submits the attached confirmation (post remediation) laboratory analysis data and sample location map to the New Mexico Oil Conservation Division (OCD) District I to provide two (2) business days notification prior to backfilling the remaining excavation area (C-17 through C-23) at the Red Tanks PW Release (nRM2008756964) in Lea County, New Mexico. Please feel free to contact Halie Butler with Select at HButler@selectenergy.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
Larson & Associates, Inc.
Environmental Consultants

Appendix F

Laboratory Reports

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

PBELAB

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Red Tanks PW Release

Project Number: 22-0104-05

Location: New Mexico

Lab Order Number: 2I15005

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/26/22

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-23 @ 1'	2I15005-01	Soil	09/12/22 13:40	09-15-2022 09:15
S-23 @ 3'	2I15005-02	Soil	09/12/22 13:41	09-15-2022 09:15
S-23 @ 5'	2I15005-03	Soil	09/12/22 13:45	09-15-2022 09:15
S-23 @ 10'	2I15005-04	Soil	09/12/22 13:46	09-15-2022 09:15
S-20 @ 1'	2I15005-05	Soil	09/12/22 14:15	09-15-2022 09:15
S-20 @ 3'	2I15005-06	Soil	09/12/22 14:16	09-15-2022 09:15
S-20 @ 5'	2I15005-07	Soil	09/12/22 14:20	09-15-2022 09:15
S-20 @ 10'	2I15005-08	Soil	09/12/22 14:21	09-15-2022 09:15
S-19 @ 1'	2I15005-09	Soil	09/13/22 10:30	09-15-2022 09:15
S-19 @ 3'	2I15005-10	Soil	09/13/22 10:31	09-15-2022 09:15
S-19 @ 5'	2I15005-11	Soil	09/13/22 10:40	09-15-2022 09:15
S-19 @ 10'	2I15005-12	Soil	09/13/22 10:45	09-15-2022 09:15
S-19 @ 15'	2I15005-13	Soil	09/13/22 11:00	09-15-2022 09:15
S-18 @ 1'	2I15005-14	Soil	09/13/22 11:35	09-15-2022 09:15
S-18 @ 3'	2I15005-15	Soil	09/13/22 11:36	09-15-2022 09:15
S-18 @ 5'	2I15005-16	Soil	09/13/22 11:40	09-15-2022 09:15
S-18 @ 10'	2I15005-17	Soil	09/13/22 11:41	09-15-2022 09:15
S-18 @ 15'	2I15005-18	Soil	09/13/22 12:10	09-15-2022 09:15
S-18 @ 20'	2I15005-19	Soil	09/13/22 13:20	09-15-2022 09:15
S-17 @ 1'	2I15005-20	Soil	09/14/22 10:00	09-15-2022 09:15
S-17 @ 3'	2I15005-21	Soil	09/14/22 10:01	09-15-2022 09:15
S-17 @ 5'	2I15005-22	Soil	09/14/22 10:05	09-15-2022 09:15
S-17 @ 10'	2I15005-23	Soil	09/14/22 10:06	09-15-2022 09:15
S-16 @ 1'	2I15005-24	Soil	09/14/22 10:30	09-15-2022 09:15
S-16 @ 3'	2I15005-25	Soil	09/14/22 10:31	09-15-2022 09:15
S-16 @ 5'	2I15005-26	Soil	09/14/22 10:35	09-15-2022 09:15
S-16 @ 10'	2I15005-27	Soil	09/14/22 10:36	09-15-2022 09:15
S-15 @ 1'	2I15005-28	Soil	09/14/22 11:05	09-15-2022 09:15
S-15 @ 3'	2I15005-29	Soil	09/14/22 11:06	09-15-2022 09:15
S-15 @ 5'	2I15005-30	Soil	09/14/22 11:10	09-15-2022 09:15
S-15 @ 10'	2I15005-31	Soil	09/14/22 11:11	09-15-2022 09:15
S-15 @ 15'	2I15005-32	Soil	09/14/22 11:30	09-15-2022 09:15
S-15 @ 20'	2I15005-33	Soil	09/14/22 12:00	09-15-2022 09:15
S-21 @ 1'	2I15005-34	Soil	09/14/22 12:15	09-15-2022 09:15

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-21 @ 3'	2I15005-35	Soil	09/14/22 12:16	09-15-2022 09:15
S-21 @ 5'	2I15005-36	Soil	09/14/22 12:20	09-15-2022 09:15
S-21 @ 10'	2I15005-37	Soil	09/14/22 12:21	09-15-2022 09:15
S-14 @ 1'	2I15005-38	Soil	09/14/22 12:45	09-15-2022 09:15
S-14 @ 3'	2I15005-39	Soil	09/14/22 12:46	09-15-2022 09:15
S-14 @ 5'	2I15005-40	Soil	09/14/22 12:50	09-15-2022 09:15
S-14 @ 10'	2I15005-41	Soil	09/14/22 12:51	09-15-2022 09:15

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-23 @ 1'

2I15005-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P2I1611	09/16/22 15:22	09/18/22 16:40	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P2I1611	09/16/22 15:22	09/18/22 16:40	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P2I1611	09/16/22 15:22	09/18/22 16:40	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P2I1611	09/16/22 15:22	09/18/22 16:40	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P2I1611	09/16/22 15:22	09/18/22 16:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/18/22 16:40*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.8 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/18/22 16:40*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5.95**	1.01	mg/kg dry	1	P2I1512	09/15/22 16:00	09/15/22 20:20	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 14:05	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 14:05	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 14:05	TPH 8015M	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 14:05*	*TPH 8015M*	
Surrogate: o-Terphenyl		*117 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 14:05*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 14:05	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-23 @ 3'

2I15005-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I1611	09/16/22 15:22	09/18/22 17:02	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I1611	09/16/22 15:22	09/18/22 17:02	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I1611	09/16/22 15:22	09/18/22 17:02	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I1611	09/16/22 15:22	09/18/22 17:02	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I1611	09/16/22 15:22	09/18/22 17:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.5 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/18/22 17:02*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/18/22 17:02*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.31**	1.04	mg/kg dry	1	P2I1512	09/15/22 16:00	09/15/22 21:00	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 14:27	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 14:27	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 14:27	TPH 8015M	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 14:27*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 14:27*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 14:27	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-23 @ 5'

2I15005-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 07:27	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 07:27	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 07:27	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 07:27	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 07:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 07:27*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*107 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 07:27*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.95**	1.02	mg/kg dry	1	P2I1512	09/15/22 16:00	09/15/22 21:40	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 14:49	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 14:49	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 14:49	TPH 8015M	
Surrogate: 1-Chlorooctane		*116 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 14:49*	*TPH 8015M*	
Surrogate: o-Terphenyl		*124 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 14:49*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 14:49	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-23 @ 10'

2I15005-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 07:47	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 07:47	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 07:47	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 07:47	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 07:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.4 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 07:47*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.4 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 07:47*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.53**	1.09	mg/kg dry	1	P2I1512	09/15/22 16:00	09/15/22 21:53	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 15:11	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 15:11	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 15:11	TPH 8015M	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 15:11*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 15:11*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 15:11	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
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S-20 @ 1'

2I15005-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:08	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:08	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:08	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:08	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.4 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 08:08*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*91.4 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 08:08*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.76**	1.01	mg/kg dry	1	P2I1512	09/15/22 16:00	09/15/22 22:06	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 15:33	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 15:33	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 15:33	TPH 8015M	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 15:33*	*TPH 8015M*	
Surrogate: o-Terphenyl		*115 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 15:33*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 15:33	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-20 @ 3'

2I15005-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:29	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:29	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:29	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:29	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.6 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 08:29*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 08:29*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.67**	1.02	mg/kg dry	1	P2I1512	09/15/22 16:00	09/15/22 22:20	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 16:40	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 16:40	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 16:40	TPH 8015M	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 16:40*	*TPH 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 16:40*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 16:40	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-20 @ 5'

2I15005-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:50	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:50	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:50	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:50	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 08:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.2 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 08:50*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*93.8 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 08:50*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.65**	1.04	mg/kg dry	1	P2I1512	09/15/22 16:00	09/15/22 22:33	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 17:02	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 17:02	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 17:02	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 17:02*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 17:02*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 17:02	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-20 @ 10'

2I15005-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 09:21	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 09:21	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 09:21	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 09:21	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 09:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.8 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 09:21*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 09:21*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.60**	1.09	mg/kg dry	1	P2I1512	09/15/22 16:00	09/15/22 22:46	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 17:24	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 17:24	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 17:24	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 17:24*	*TPH 8015M*	
Surrogate: o-Terphenyl		*109 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 17:24*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 17:24	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-19 @ 1'

2I15005-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 09:42	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 09:42	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 09:42	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 09:42	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 09:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 09:42*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.1 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 09:42*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7.86**	1.02	mg/kg dry	1	P2I1512	09/15/22 16:00	09/15/22 23:00	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 17:46	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 17:46	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 17:46	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 17:46*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 17:46*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 17:46	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-19 @ 3'

2I15005-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00112	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 10:04	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 10:04	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 10:04	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 10:04	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P2I1611	09/16/22 15:22	09/19/22 10:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.6 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 10:04*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*98.3 %*	*80-120*		*P2I1611*	*09/16/22 15:22*	*09/19/22 10:04*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**16.9**	1.12	mg/kg dry	1	P2I1512	09/15/22 16:00	09/15/22 23:13	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.1	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 18:08	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 18:08	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 18:08	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 18:08*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 18:08*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 18:08	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-19 @ 5'

2I15005-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00114	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 01:27	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 01:27	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 01:27	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 01:27	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 01:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 01:27*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.0 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 01:27*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**174**	1.14	mg/kg dry	1	P2I1512	09/15/22 16:00	09/15/22 23:26	EPA 300.0	
% Moisture	**12.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.4	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 18:30	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 18:30	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 18:30	TPH 8015M	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 18:30*	*TPH 8015M*	
Surrogate: o-Terphenyl		*123 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 18:30*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 18:30	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-19 @ 10'

2I15005-12 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00114	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 10:38	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 10:38	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 10:38	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 10:38	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 10:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*92.5 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/21/22 10:38*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/21/22 10:38*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4910**	11.4	mg/kg dry	10	P2I1604	09/16/22 08:57	09/16/22 10:58	EPA 300.0	
% Moisture	**12.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.4	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 18:52	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 18:52	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 18:52	TPH 8015M	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 18:52*	*TPH 8015M*	
Surrogate: o-Terphenyl		*117 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 18:52*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 18:52	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-19 @ 15'

2I15005-13 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00112	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 11:00	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 11:00	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 11:00	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 11:00	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 11:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/21/22 11:00*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.4 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/21/22 11:00*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**199**	1.12	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 11:37	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.1	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 19:14	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 19:14	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 19:14	TPH 8015M	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 19:14*	*TPH 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 19:14*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 19:14	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-18 @ 1'

2I15005-14 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 21:19	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 21:19	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 21:19	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 21:19	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 21:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*92.8 %*		*80-120*		*P2I2310*	*09/23/22 12:23*	*09/23/22 21:19*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*		*80-120*		*P2I2310*	*09/23/22 12:23*	*09/23/22 21:19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**19.9**	1.02	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 11:51	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 19:36	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 19:36	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 19:36	TPH 8015M	
Surrogate: 1-Chlorooctane		*112 %*		*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 19:36*	*TPH 8015M*	
Surrogate: o-Terphenyl		*121 %*		*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 19:36*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 19:36	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-18 @ 3'

2I15005-15 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 21:40	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 21:40	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 21:40	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 21:40	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 21:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*92.2 %*	*80-120*		*P2I2310*	*09/23/22 12:23*	*09/23/22 21:40*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P2I2310*	*09/23/22 12:23*	*09/23/22 21:40*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**20.1**	1.04	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 12:04	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I1602	09/16/22 08:50	09/16/22 08:51	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 19:58	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 19:58	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I1605	09/16/22 09:30	09/17/22 19:58	TPH 8015M	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 19:58*	*TPH 8015M*	
Surrogate: o-Terphenyl		*119 %*	*70-130*		*P2I1605*	*09/16/22 09:30*	*09/17/22 19:58*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/16/22 09:30	09/17/22 19:58	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-18 @ 5'

2I15005-16 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 01:49	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 01:49	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 01:49	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 01:49	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 01:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.9 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 01:49*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.4 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 01:49*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**43.2**	1.02	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 12:17	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 17:59	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 17:59	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 17:59	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 17:59*	*TPH 8015M*	
Surrogate: o-Terphenyl		*115 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 17:59*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 17:59	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-18 @ 10'

2I15005-17 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00111	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:10	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:10	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:10	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:10	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*92.9 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 02:10*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 02:10*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2020**	5.56	mg/kg dry	5	P2I1604	09/16/22 08:57	09/20/22 09:16	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.8	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 18:22	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 18:22	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 18:22	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 18:22*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 18:22*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 18:22	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-18 @ 15'

2I15005-18 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:31	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:31	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:31	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:31	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.1 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 02:31*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 02:31*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1210**	5.43	mg/kg dry	5	P2I1604	09/16/22 08:57	09/20/22 09:30	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 18:45	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 18:45	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 18:45	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.2 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 18:45*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 18:45*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 18:45	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-18 @ 20'

2I15005-19 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:53	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:53	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:53	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:53	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 02:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.8 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 02:53*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 02:53*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**59.6**	1.09	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 12:57	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 19:09	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 19:09	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 19:09	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.9 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 19:09*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 19:09*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 19:09	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-17 @ 1'

2I15005-20 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 03:14	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 03:14	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 03:14	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 03:14	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 03:14	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*97.2 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 03:14*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 03:14*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**30.3**	1.02	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 13:10	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 19:32	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 19:32	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 19:32	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.0 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 19:32*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 19:32*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 19:32	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-17 @ 3'

2I15005-21 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 04:18	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 04:18	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 04:18	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 04:18	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 04:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.1 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 04:18*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 04:18*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**44.0**	1.03	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 13:24	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 19:55	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 19:55	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 19:55	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.2 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 19:55*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 19:55*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 19:55	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-17 @ 5'

2I15005-22 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 04:40	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 04:40	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 04:40	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 04:40	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 04:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.4 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 04:40*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 04:40*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**137**	1.03	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 14:04	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 20:18	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 20:18	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 20:18	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.8 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 20:18*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 20:18*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 20:18	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-17 @ 10'

2I15005-23 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:01	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:01	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:01	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:01	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.4 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 05:01*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 05:01*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**24.2**	1.08	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 14:44	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 20:42	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 20:42	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 20:42	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.6 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 20:42*	*TPH 8015M*	
Surrogate: o-Terphenyl		*100 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 20:42*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 20:42	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-16 @ 1'

2I15005-24 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:23	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:23	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:23	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:23	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.5 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 05:23*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 05:23*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**266**	1.06	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 14:57	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 21:05	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 21:05	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 21:05	TPH 8015M	
Surrogate: 1-Chlorooctane		*97.2 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 21:05*	*TPH 8015M*	
Surrogate: o-Terphenyl		*106 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 21:05*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 21:05	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-16 @ 3'

2I15005-25 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:44	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:44	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:44	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:44	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 05:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.1 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 05:44*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 05:44*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**197**	1.02	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 15:10	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 21:28	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 21:28	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 21:28	TPH 8015M	
Surrogate: 1-Chlorooctane		*97.9 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 21:28*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 21:28*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 21:28	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-16 @ 5'

2I15005-26 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:05	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:05	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:05	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:05	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.2 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 06:05*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 06:05*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**223**	1.04	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 15:24	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 22:37	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 22:37	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 22:37	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.3 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 22:37*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 22:37*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 22:37	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-16 @ 10'

2I15005-27 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00110	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:27	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:27	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:27	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:27	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 06:27*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.9 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 06:27*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**16.1**	1.10	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 15:37	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 22:59	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 22:59	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 22:59	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.1 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 22:59*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 22:59*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 22:59	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-15 @ 1'

2I15005-28 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:48	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:48	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:48	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:48	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 06:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.8 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 06:48*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 06:48*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.55**	1.02	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 15:50	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 23:22	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 23:22	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 23:22	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.7 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 23:22*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 23:22*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 23:22	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-15 @ 3'

2I15005-29 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 07:10	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 07:10	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 07:10	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 07:10	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2I1612	09/16/22 15:27	09/20/22 07:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*113 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 07:10*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.9 %*	*80-120*		*P2I1612*	*09/16/22 15:27*	*09/20/22 07:10*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.95**	1.03	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 16:04	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 23:45	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 23:45	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2I1606	09/16/22 11:00	09/16/22 23:45	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.3 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 23:45*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/16/22 23:45*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/16/22 11:00	09/16/22 23:45	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-15 @ 5'

2I15005-30 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 22:01	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 22:01	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 22:01	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 22:01	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P2I2310	09/23/22 12:23	09/23/22 22:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P2I2310*	*09/23/22 12:23*	*09/23/22 22:01*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.0 %*	*80-120*		*P2I2310*	*09/23/22 12:23*	*09/23/22 22:01*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**482**	1.06	mg/kg dry	1	P2I1604	09/16/22 08:57	09/16/22 16:17	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 00:08	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 00:08	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 00:08	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.1 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/17/22 00:08*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/17/22 00:08*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	09/16/22 11:00	09/17/22 00:08	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-15 @ 10'

2I15005-31 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 14:46	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 14:46	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 14:46	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 14:46	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 14:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*92.6 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 14:46*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 14:46*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1450**	5.43	mg/kg dry	5	P2I1604	09/16/22 08:57	09/20/22 09:43	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 00:31	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 00:31	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 00:31	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.2 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/17/22 00:31*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/17/22 00:31*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/16/22 11:00	09/17/22 00:31	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-15 @ 15'

2I15005-32 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00110	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:07	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:07	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:07	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:07	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 15:07*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.7 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 15:07*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**819**	1.10	mg/kg dry	1	P2I1609	09/16/22 15:05	09/16/22 17:50	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 00:54	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 00:54	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 00:54	TPH 8015M	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/17/22 00:54*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/17/22 00:54*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	09/16/22 11:00	09/17/22 00:54	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-15 @ 20'

2I15005-33 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:29	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:29	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:29	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:29	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 15:29*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.2 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 15:29*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**92.7**	1.08	mg/kg dry	1	P2I1609	09/16/22 15:05	09/16/22 18:30	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 01:17	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 01:17	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 01:17	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.4 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/17/22 01:17*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/17/22 01:17*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/16/22 11:00	09/17/22 01:17	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-21 @ 1'

2I15005-34 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:51	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:51	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:51	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:51	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 15:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.3 %*		*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 15:51*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*103 %*		*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 15:51*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.52**	1.02	mg/kg dry	1	P2I1609	09/16/22 15:05	09/16/22 18:44	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 01:40	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 01:40	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 01:40	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.7 %*		*70-130*		*P2I1606*	*09/16/22 11:00*	*09/17/22 01:40*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*		*70-130*		*P2I1606*	*09/16/22 11:00*	*09/17/22 01:40*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/16/22 11:00	09/17/22 01:40	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-21 @ 3'

2I15005-35 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:04	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:04	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:04	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:04	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*113 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 17:04*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.2 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 17:04*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.89**	1.01	mg/kg dry	1	P2I1609	09/16/22 15:05	09/16/22 18:57	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 02:03	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 02:03	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2I1606	09/16/22 11:00	09/17/22 02:03	TPH 8015M	
Surrogate: 1-Chlorooctane		*97.7 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/17/22 02:03*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P2I1606*	*09/16/22 11:00*	*09/17/22 02:03*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/16/22 11:00	09/17/22 02:03	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-21 @ 5'

2I15005-36 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:26	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:26	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:26	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:26	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.1 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 17:26*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 17:26*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10.3**	1.05	mg/kg dry	1	P2I1609	09/16/22 15:05	09/16/22 19:10	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 05:32	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 05:32	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 05:32	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.0 %*	*70-130*		*P2I1610*	*09/16/22 15:00*	*09/17/22 05:32*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P2I1610*	*09/16/22 15:00*	*09/17/22 05:32*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/16/22 15:00	09/17/22 05:32	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-21 @ 10'

2I15005-37 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00111	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:47	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:47	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:47	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:47	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 17:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.8 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 17:47*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 17:47*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7.24**	1.11	mg/kg dry	1	P2I1609	09/16/22 15:05	09/16/22 19:24	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.8	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 05:55	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 05:55	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 05:55	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.2 %*	*70-130*		*P2I1610*	*09/16/22 15:00*	*09/17/22 05:55*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P2I1610*	*09/16/22 15:00*	*09/17/22 05:55*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	09/16/22 15:00	09/17/22 05:55	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-14 @ 1'

2I15005-38 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:09	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:09	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:09	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:09	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*92.4 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 18:09*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 18:09*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.85**	1.02	mg/kg dry	1	P2I1609	09/16/22 15:05	09/16/22 19:37	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 06:19	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 06:19	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 06:19	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.9 %*	*70-130*		*P2I1610*	*09/16/22 15:00*	*09/17/22 06:19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P2I1610*	*09/16/22 15:00*	*09/17/22 06:19*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/16/22 15:00	09/17/22 06:19	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-14 @ 3'

2I15005-39 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:30	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:30	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:30	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:30	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*90.2 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 18:30*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 18:30*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.26**	1.03	mg/kg dry	1	P2I1609	09/16/22 15:05	09/16/22 19:50	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 06:42	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 06:42	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 06:42	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.9 %*	*70-130*		*P2I1610*	*09/16/22 15:00*	*09/17/22 06:42*	*TPH 8015M*	
Surrogate: o-Terphenyl		*109 %*	*70-130*		*P2I1610*	*09/16/22 15:00*	*09/17/22 06:42*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/16/22 15:00	09/17/22 06:42	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-14 @ 5'

2I15005-40 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:52	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:52	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:52	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:52	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P2I1613	09/16/22 15:32	09/20/22 18:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.6 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 18:52*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/20/22 18:52*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10.6**	1.04	mg/kg dry	1	P2I1609	09/16/22 15:05	09/16/22 20:03	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 07:05	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 07:05	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 07:05	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.6 %*	*70-130*		*P2I1610*	*09/16/22 15:00*	*09/17/22 07:05*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P2I1610*	*09/16/22 15:00*	*09/17/22 07:05*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/16/22 15:00	09/17/22 07:05	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

S-14 @ 10'

2I15005-41 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 09:42	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 09:42	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 09:42	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 09:42	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P2I1613	09/16/22 15:32	09/21/22 09:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.6 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/21/22 09:42*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.4 %*	*80-120*		*P2I1613*	*09/16/22 15:32*	*09/21/22 09:42*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.12**	1.08	mg/kg dry	1	P2I1609	09/16/22 15:05	09/16/22 20:17	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P2I1607	09/16/22 14:11	09/16/22 14:13	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 07:29	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 07:29	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2I1610	09/16/22 15:00	09/17/22 07:29	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.6 %*	*70-130*		*P2I1610*	*09/16/22 15:00*	*09/17/22 07:29*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P2I1610*	*09/16/22 15:00*	*09/17/22 07:29*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/16/22 15:00	09/17/22 07:29	calc	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1611 - * DEFAULT PREP *** **										
Blank (P2I1611-BLK1)				Prepared & Analyzed: 09/16/22						
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	*0.120*		"	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.4*	*80-120*			
LCS (P2I1611-BS1)				Prepared & Analyzed: 09/16/22						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.119	0.00100	"	0.100		119	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
LCS Dup (P2I1611-BSD1)				Prepared & Analyzed: 09/16/22						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120	0.226	20	
Toluene	0.116	0.00100	"	0.100		116	80-120	1.78	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120	1.66	20	
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120	3.61	20	
Xylene (o)	0.117	0.00100	"	0.100		117	80-120	2.75	20	
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.120*		*99.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.4*	*80-120*			
Calibration Blank (P2I1611-CCB1)				Prepared & Analyzed: 09/16/22						
Benzene	0.130		ug/kg							
Toluene	0.270		"							
Ethylbenzene	0.170		"							
Xylene (p/m)	0.260		"							
Xylene (o)	0.140		"							
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		"	*0.120*		*91.7*	*80-120*			

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1611 - * DEFAULT PREP *** **										
Calibration Blank (P2I1611-CCB2)				Prepared: 09/16/22 Analyzed: 09/18/22						
Benzene	0.00		ug/kg							
Toluene	0.290		"							
Ethylbenzene	0.110		"							
Xylene (p/m)	0.180		"							
Xylene (o)	0.150		"							
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*97.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Calibration Check (P2I1611-CCV1)				Prepared & Analyzed: 09/16/22						
Benzene	0.111	0.00100	mg/kg	0.100		111	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.0*	*75-125*			
Calibration Check (P2I1611-CCV2)				Prepared: 09/16/22 Analyzed: 09/18/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		98.0	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*103*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*75-125*			
Calibration Check (P2I1611-CCV3)				Prepared: 09/16/22 Analyzed: 09/19/22						
Benzene	0.117	0.00100	mg/kg	0.100		117	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.2	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 4-Bromofluorobenzene	*0.135*		*"*	*0.120*		*112*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.1*	*75-125*			

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1611 - * DEFAULT PREP *** **										
Matrix Spike (P2I1611-MS1)	**Source: 2I14011-03**			Prepared: 09/16/22 Analyzed: 09/19/22						
Benzene	0.0915	0.00106	mg/kg dry	0.106	ND	86.0	80-120			
Toluene	0.0716	0.00106	"	0.106	ND	67.3	80-120			QM-05
Ethylbenzene	0.0581	0.00106	"	0.106	ND	54.6	80-120			QM-05
Xylene (p/m)	0.0216	0.00213	"	0.213	ND	10.2	80-120			QM-05
Xylene (o)	0.0942	0.00106	"	0.106	ND	88.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.144*		"	*0.128*		*113*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.125*		"	*0.128*		*97.6*	*80-120*			
Matrix Spike Dup (P2I1611-MSD1)	**Source: 2I14011-03**			Prepared: 09/16/22 Analyzed: 09/19/22						
Benzene	0.0900	0.00106	mg/kg dry	0.106	ND	84.6	80-120	1.62	20	
Toluene	0.0775	0.00106	"	0.106	ND	72.8	80-120	7.96	20	QM-05
Ethylbenzene	0.0565	0.00106	"	0.106	ND	53.1	80-120	2.77	20	QM-05
Xylene (p/m)	0.0592	0.00213	"	0.213	ND	27.8	80-120	93.0	20	QM-05
Xylene (o)	0.0911	0.00106	"	0.106	ND	85.6	80-120	3.38	20	
Surrogate: 4-Bromofluorobenzene	*0.143*		"	*0.128*		*112*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.126*		"	*0.128*		*98.5*	*80-120*			
Batch P2I1612 - * DEFAULT PREP *** **										
Blank (P2I1612-BLK1)				Prepared: 09/16/22 Analyzed: 09/19/22						
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	*0.117*		"	*0.120*		*97.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		"	*0.120*		*90.6*	*80-120*			

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1612 - * DEFAULT PREP *** **										
LCS (P2I1612-BS1)				Prepared: 09/16/22 Analyzed: 09/19/22						
Benzene	0.117	0.00100	mg/kg	0.100		117	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.8	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
LCS Dup (P2I1612-BSD1)				Prepared: 09/16/22 Analyzed: 09/19/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120	1.63	20	
Toluene	0.109	0.00100	"	0.100		109	80-120	4.34	20	
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120	7.28	20	
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120	6.85	20	
Xylene (o)	0.113	0.00100	"	0.100		113	80-120	7.00	20	
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.7*	*80-120*			
Calibration Blank (P2I1612-CCB2)				Prepared: 09/16/22 Analyzed: 09/20/22						
Benzene	0.100		ug/kg							
Toluene	0.320		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.220		"							
Xylene (o)	0.150		"							
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*93.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.3*	*80-120*			
Calibration Blank (P2I1612-CCB3)				Prepared: 09/16/22 Analyzed: 09/19/22						
Benzene	0.200		ug/kg							
Toluene	0.560		"							
Ethylbenzene	0.260		"							
Xylene (p/m)	0.400		"							
Xylene (o)	0.260		"							
Surrogate: 1,4-Difluorobenzene	*0.108*		*"*	*0.120*		*89.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*97.9*	*80-120*			

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1612 - * DEFAULT PREP *** **										
Calibration Check (P2I1612-CCV1)				Prepared: 09/16/22 Analyzed: 09/19/22						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		101	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.120*		*96.3*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.2*	*75-125*			
Calibration Check (P2I1612-CCV2)				Prepared: 09/16/22 Analyzed: 09/20/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.134*		"	*0.120*		*112*	*75-125*			
Calibration Check (P2I1612-CCV3)				Prepared: 09/16/22 Analyzed: 09/20/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		"	*0.120*		*108*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.9*	*75-125*			
Matrix Spike (P2I1612-MS1)	**Source: 2I15005-11**			Prepared: 09/16/22 Analyzed: 09/20/22						
Benzene	0.0929	0.00114	mg/kg dry	0.114	ND	81.7	80-120			
Toluene	0.0164	0.00114	"	0.114	ND	14.4	80-120			QM-05
Ethylbenzene	0.0870	0.00114	"	0.114	ND	76.5	80-120			QM-05
Xylene (p/m)	0.0710	0.00227	"	0.227	ND	31.2	80-120			QM-05
Xylene (o)	0.0832	0.00114	"	0.114	ND	73.2	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.158*		"	*0.136*		*116*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.133*		"	*0.136*		*97.5*	*80-120*			

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1612 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2I1612-MSD1)	**Source: 2I15005-11**			Prepared: 09/16/22 Analyzed: 09/20/22						
Benzene	0.0525	0.00114	mg/kg dry	0.114	ND	46.2	80-120	55.5	20	QM-05
Toluene	0.0114	0.00114	"	0.114	ND	10.1	80-120	35.7	20	QM-05
Ethylbenzene	0.0673	0.00114	"	0.114	ND	59.2	80-120	25.5	20	QM-05
Xylene (p/m)	0.0651	0.00227	"	0.227	ND	28.7	80-120	8.60	20	QM-05
Xylene (o)	0.0704	0.00114	"	0.114	ND	61.9	80-120	16.6	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.154*		*"*	*0.136*		*113*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.129*		*"*	*0.136*		*94.7*	*80-120*			
Batch P2I1613 - * DEFAULT PREP *** **										
Blank (P2I1613-BLK1)				Prepared & Analyzed: 09/20/22						
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	*0.107*		*"*	*0.120*		*89.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
LCS (P2I1613-BS1)				Prepared: 09/16/22 Analyzed: 09/20/22						
Benzene	0.110	0.00100	mg/kg	0.100		110	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.4	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	*0.138*		*"*	*0.120*		*115*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.7*	*80-120*			

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1613 - * DEFAULT PREP *** **										
LCS Dup (P2I1613-BSD1)				Prepared: 09/16/22 Analyzed: 09/20/22						
Benzene	0.101	0.00100	mg/kg	0.100		101	80-120	8.38	20	
Toluene	0.0857	0.00100	"	0.100		85.7	80-120	16.9	20	
Ethylbenzene	0.0853	0.00100	"	0.100		85.3	80-120	27.8	20	R2
Xylene (p/m)	0.165	0.00200	"	0.200		82.4	80-120	13.5	20	
Xylene (o)	0.0819	0.00100	"	0.100		81.9	80-120	29.9	20	R2
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Calibration Blank (P2I1613-CCB1)				Prepared: 09/16/22 Analyzed: 09/20/22						
Benzene	0.360		ug/kg							
Toluene	0.660		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.290		"							
Xylene (o)	0.180		"							
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*91.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.5*	*80-120*			
Calibration Blank (P2I1613-CCB2)				Prepared: 09/16/22 Analyzed: 09/21/22						
Benzene	1.00		ug/kg							
Toluene	0.930		"							
Ethylbenzene	0.250		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.280		"							
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			
Calibration Check (P2I1613-CCV1)				Prepared: 09/16/22 Analyzed: 09/20/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.7	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.132*		*"*	*0.120*		*110*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.4*	*75-125*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1613 - * DEFAULT PREP *** **										
Calibration Check (P2I1613-CCV2)				Prepared: 09/16/22 Analyzed: 09/20/22						
Benzene	0.118	0.00100	mg/kg	0.100		118	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.228	0.00200	"	0.200		114	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.102*		"	*0.120*		*85.4*	*75-125*			
Calibration Check (P2I1613-CCV3)				Prepared: 09/16/22 Analyzed: 09/21/22						
Benzene	0.116	0.00100	mg/kg	0.100		116	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 4-Bromofluorobenzene	*0.123*		"	*0.120*		*102*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.103*		"	*0.120*		*85.8*	*75-125*			
Matrix Spike (P2I1613-MS1)		**Source: 2I15005-31**		Prepared: 09/16/22 Analyzed: 09/21/22						
Benzene	0.0658	0.00109	mg/kg dry	0.109	ND	60.5	80-120			QM-05
Toluene	0.0621	0.00109	"	0.109	ND	57.1	80-120			QM-05
Ethylbenzene	0.0919	0.00109	"	0.109	ND	84.5	80-120			
Xylene (p/m)	0.0378	0.00217	"	0.217	ND	17.4	80-120			QM-05
Xylene (o)	0.0864	0.00109	"	0.109	ND	79.5	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	*0.126*		"	*0.130*		*96.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.153*		"	*0.130*		*117*	*80-120*			
Matrix Spike Dup (P2I1613-MSD1)		**Source: 2I15005-31**		Prepared: 09/16/22 Analyzed: 09/21/22						
Benzene	0.0675	0.00109	mg/kg dry	0.109	ND	62.1	80-120	2.61	20	QM-05
Toluene	0.0265	0.00109	"	0.109	ND	24.3	80-120	80.4	20	QM-05
Ethylbenzene	0.0740	0.00109	"	0.109	ND	68.1	80-120	21.6	20	QM-05
Xylene (p/m)	0.00312	0.00217	"	0.217	ND	1.44	80-120	170	20	QM-05
Xylene (o)	0.0744	0.00109	"	0.109	ND	68.5	80-120	14.9	20	QM-05
Surrogate: 1,4-Difluorobenzene	*0.124*		"	*0.130*		*95.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.144*		"	*0.130*		*111*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2310 - * DEFAULT PREP *** **										
Blank (P2I2310-BLK1)				Prepared & Analyzed: 09/23/22						
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	*0.114*		"	*0.120*		*95.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		"	*0.120*		*88.8*	*80-120*			
LCS (P2I2310-BS1)				Prepared & Analyzed: 09/23/22						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.119	0.00100	"	0.100		119	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.228	0.00200	"	0.200		114	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*94.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		"	*0.120*		*87.4*	*80-120*			
LCS Dup (P2I2310-BSD1)				Prepared & Analyzed: 09/23/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120	0.837	20	
Toluene	0.120	0.00100	"	0.100		120	80-120	0.469	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	4.15	20	
Xylene (p/m)	0.231	0.00200	"	0.200		115	80-120	1.26	20	
Xylene (o)	0.117	0.00100	"	0.100		117	80-120	0.708	20	
Surrogate: 1,4-Difluorobenzene	*0.103*		"	*0.120*		*86.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.6*	*80-120*			
Calibration Blank (P2I2310-CCB1)				Prepared & Analyzed: 09/23/22						
Benzene	0.140		ug/kg							
Toluene	0.270		"							
Ethylbenzene	0.170		"							
Xylene (p/m)	0.270		"							
Xylene (o)	0.150		"							
Surrogate: 1,4-Difluorobenzene	*0.106*		"	*0.120*		*88.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*94.7*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2310 - * DEFAULT PREP *** **										
Calibration Blank (P2I2310-CCB2)				Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.00		ug/kg							
Toluene	0.330		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.280		"							
Xylene (o)	0.190		"							
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*89.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.120*		*99.6*	*80-120*			
Calibration Check (P2I2310-CCV1)				Prepared & Analyzed: 09/23/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		116	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 1,4-Difluorobenzene	*0.107*		"	*0.120*		*89.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.5*	*75-125*			
Calibration Check (P2I2310-CCV2)				Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.120	0.00100	"	0.100		120	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.120*		*96.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.104*		"	*0.120*		*86.9*	*75-125*			
Calibration Check (P2I2310-CCV3)				Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.120	0.00100	"	0.100		120	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.226	0.00200	"	0.200		113	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 1,4-Difluorobenzene	*0.0988*		"	*0.120*		*82.3*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.4*	*75-125*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I2310 - * DEFAULT PREP *** **										
Matrix Spike (P2I2310-MS1)	**Source: 2I20002-01**			Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.117	0.00102	mg/kg dry	0.102	ND	115	80-120			
Toluene	0.106	0.00102	"	0.102	ND	104	80-120			
Ethylbenzene	0.112	0.00102	"	0.102	ND	110	80-120			
Xylene (p/m)	0.199	0.00204	"	0.204	ND	97.5	80-120			
Xylene (o)	0.108	0.00102	"	0.102	ND	105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.134*		"	*0.122*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.122*		*95.1*	*80-120*			
Matrix Spike Dup (P2I2310-MSD1)	**Source: 2I20002-01**			Prepared: 09/23/22 Analyzed: 09/24/22						
Benzene	0.115	0.00102	mg/kg dry	0.102	ND	113	80-120	1.26	20	
Toluene	0.105	0.00102	"	0.102	ND	103	80-120	1.26	20	
Ethylbenzene	0.110	0.00102	"	0.102	ND	108	80-120	1.81	20	
Xylene (p/m)	0.195	0.00204	"	0.204	ND	95.6	80-120	1.95	20	
Xylene (o)	0.103	0.00102	"	0.102	ND	101	80-120	4.11	20	
Surrogate: 4-Bromofluorobenzene	*0.135*		"	*0.122*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.122*		*96.9*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1512 - * DEFAULT PREP *** **										
Blank (P2I1512-BLK1)				Prepared & Analyzed: 09/15/22						
Chloride	ND	1.00	mg/kg							
LCS (P2I1512-BS1)				Prepared & Analyzed: 09/15/22						
Chloride	19.3		mg/kg	20.0		96.6	90-110			
LCS Dup (P2I1512-BSD1)				Prepared & Analyzed: 09/15/22						
Chloride	18.4		mg/kg	20.0		92.0	90-110	4.87	10	
Calibration Blank (P2I1512-CCB1)				Prepared & Analyzed: 09/15/22						
Chloride	0.0570		mg/kg							
Calibration Blank (P2I1512-CCB2)				Prepared & Analyzed: 09/15/22						
Chloride	0.00		mg/kg							
Calibration Check (P2I1512-CCV1)				Prepared & Analyzed: 09/15/22						
Chloride	18.7		mg/kg	20.0		93.6	90-110			
Calibration Check (P2I1512-CCV2)				Prepared & Analyzed: 09/15/22						
Chloride	18.8		mg/kg	20.0		94.2	90-110			
Calibration Check (P2I1512-CCV3)				Prepared & Analyzed: 09/15/22						
Chloride	18.5		mg/kg	20.0		92.7	90-110			
Matrix Spike (P2I1512-MS1)	**Source: 2I14011-06**			Prepared & Analyzed: 09/15/22						
Chloride	236	1.08	mg/kg dry	269	4.87	86.1	80-120			
Matrix Spike (P2I1512-MS2)	**Source: 2I15005-02**			Prepared & Analyzed: 09/15/22						
Chloride	222	1.04	mg/kg dry	260	4.31	83.5	80-120			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1512 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2I1512-MSD1)		**Source: 2I14011-06**		Prepared & Analyzed: 09/15/22						
Chloride	230	1.08	mg/kg dry	269	4.87	83.6	80-120	2.83	20	
Matrix Spike Dup (P2I1512-MSD2)		**Source: 2I15005-02**		Prepared & Analyzed: 09/15/22						
Chloride	216	1.04	mg/kg dry	260	4.31	81.2	80-120	2.70	20	
Batch P2I1602 - * DEFAULT PREP *** **										
Blank (P2I1602-BLK1)				Prepared & Analyzed: 09/16/22						
% Moisture	ND	0.1	%							
Duplicate (P2I1602-DUP1)		**Source: 2I15005-04**		Prepared & Analyzed: 09/16/22						
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P2I1602-DUP2)		**Source: 2I15005-14**		Prepared & Analyzed: 09/16/22						
% Moisture	3.0	0.1	%		2.0			40.0	20	R3
Batch P2I1604 - * DEFAULT PREP *** **										
Blank (P2I1604-BLK1)				Prepared & Analyzed: 09/16/22						
Chloride	ND	1.00	mg/kg							
LCS (P2I1604-BS1)				Prepared & Analyzed: 09/16/22						
Chloride	18.6		mg/kg	20.0		93.1	90-110			
LCS Dup (P2I1604-BSD1)				Prepared & Analyzed: 09/16/22						
Chloride	18.9		mg/kg	20.0		94.4	90-110	1.32	10	

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1604 - * DEFAULT PREP *** **										
Calibration Blank (P2I1604-CCB1)				Prepared & Analyzed: 09/16/22						
Chloride	0.0710		mg/kg							
Calibration Blank (P2I1604-CCB2)				Prepared & Analyzed: 09/16/22						
Chloride	0.0740		mg/kg							
Calibration Check (P2I1604-CCV1)				Prepared & Analyzed: 09/16/22						
Chloride	18.3		mg/kg	20.0		91.6	90-110			
Calibration Check (P2I1604-CCV2)				Prepared & Analyzed: 09/16/22						
Chloride	18.2		mg/kg	20.0		91.2	90-110			
Calibration Check (P2I1604-CCV3)				Prepared: 09/16/22 Analyzed: 09/20/22						
Chloride	18.1		mg/kg	20.0		90.4	90-110			
Matrix Spike (P2I1604-MS1)		**Source: 2I15005-12**		Prepared & Analyzed: 09/16/22						
Chloride	5540	11.4	mg/kg dry	568	4910	112	80-120			
Matrix Spike (P2I1604-MS2)		**Source: 2I15005-22**		Prepared & Analyzed: 09/16/22						
Chloride	299	1.03	mg/kg dry	258	137	63.0	80-120			QM-05
Matrix Spike Dup (P2I1604-MSD1)		**Source: 2I15005-12**		Prepared & Analyzed: 09/16/22						
Chloride	5590	11.4	mg/kg dry	568	4910	120	80-120	0.894	20	
Matrix Spike Dup (P2I1604-MSD2)		**Source: 2I15005-22**		Prepared & Analyzed: 09/16/22						
Chloride	310	1.03	mg/kg dry	258	137	67.3	80-120	3.62	20	QM-05
Batch P2I1607 - * DEFAULT PREP *** **										
Blank (P2I1607-BLK1)				Prepared & Analyzed: 09/16/22						
% Moisture	ND	0.1	%							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1607 - * DEFAULT PREP *** **										
Blank (P2I1607-BLK2)				Prepared & Analyzed: 09/16/22						
% Moisture	ND	0.1	%							
Duplicate (P2I1607-DUP1)		**Source: 2I15005-25**		Prepared & Analyzed: 09/16/22						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P2I1607-DUP2)		**Source: 2I15005-35**		Prepared & Analyzed: 09/16/22						
% Moisture	1.0	0.1	%		1.0			0.00	20	
Duplicate (P2I1607-DUP3)		**Source: 2I15010-03**		Prepared & Analyzed: 09/16/22						
% Moisture	15.0	0.1	%		15.0			0.00	20	
Duplicate (P2I1607-DUP4)		**Source: 2I16001-01**		Prepared & Analyzed: 09/16/22						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Batch P2I1609 - * DEFAULT PREP *** **										
Blank (P2I1609-BLK1)				Prepared & Analyzed: 09/16/22						
Chloride	ND	1.00	mg/kg							
LCS (P2I1609-BS1)				Prepared & Analyzed: 09/16/22						
Chloride	19.9		mg/kg	20.0		99.7	90-110			
LCS Dup (P2I1609-BSD1)				Prepared & Analyzed: 09/16/22						
Chloride	19.9		mg/kg	20.0		99.7	90-110	0.0501	10	
Calibration Blank (P2I1609-CCB1)				Prepared & Analyzed: 09/16/22						
Chloride	0.00		mg/kg							

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1609 - * DEFAULT PREP *** **										
Calibration Blank (P2I1609-CCB2)				Prepared & Analyzed: 09/16/22						
Chloride	0.00		mg/kg							
Calibration Check (P2I1609-CCV1)				Prepared: 09/16/22 Analyzed: 09/20/22						
Chloride	18.1		mg/kg	20.0		90.4	90-110			
Calibration Check (P2I1609-CCV2)				Prepared: 09/16/22 Analyzed: 09/20/22						
Chloride	18.3		mg/kg	20.0		91.3	90-110			
Calibration Check (P2I1609-CCV3)				Prepared & Analyzed: 09/16/22						
Chloride	19.1		mg/kg	20.0		95.5	90-110			
Matrix Spike (P2I1609-MS1)		**Source: 2I15005-32**		Prepared & Analyzed: 09/16/22						
Chloride	958	1.10	mg/kg dry	275	819	50.6	80-120			QM-05
Matrix Spike (P2I1609-MS2)		**Source: 2I15003-01**		Prepared & Analyzed: 09/16/22						
Chloride	5670	27.8	mg/kg dry	1390	4300	98.3	80-120			
Matrix Spike Dup (P2I1609-MSD1)		**Source: 2I15005-32**		Prepared & Analyzed: 09/16/22						
Chloride	1030	1.10	mg/kg dry	275	819	75.0	80-120	6.79	20	QM-05
Matrix Spike Dup (P2I1609-MSD2)		**Source: 2I15003-01**		Prepared & Analyzed: 09/16/22						
Chloride	5680	27.8	mg/kg dry	1390	4300	98.7	80-120	0.0930	20	

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1605 - TX 1005										
Blank (P2I1605-BLK1)				Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*103*		*"*	*100*		*103*	*70-130*			
Surrogate: o-Terphenyl	*53.2*		*"*	*50.0*		*106*	*70-130*			
LCS (P2I1605-BS1)				Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	1020	25.0	mg/kg	1000		102	75-125			
>C12-C28	985	25.0	"	1000		98.5	75-125			
Surrogate: 1-Chlorooctane	*109*		*"*	*100*		*109*	*70-130*			
Surrogate: o-Terphenyl	*60.0*		*"*	*50.0*		*120*	*70-130*			
LCS Dup (P2I1605-BSD1)				Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	1010	25.0	mg/kg	1000		101	75-125	0.863	20	
>C12-C28	962	25.0	"	1000		96.2	75-125	2.38	20	
Surrogate: 1-Chlorooctane	*106*		*"*	*100*		*106*	*70-130*			
Surrogate: o-Terphenyl	*57.7*		*"*	*50.0*		*115*	*70-130*			
Calibration Check (P2I1605-CCV1)				Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	511	25.0	mg/kg	500		102	85-115			
>C12-C28	502	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	*125*		*"*	*100*		*125*	*70-130*			
Surrogate: o-Terphenyl	*54.5*		*"*	*50.0*		*109*	*70-130*			
Calibration Check (P2I1605-CCV2)				Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	505	25.0	mg/kg	500		101	85-115			
>C12-C28	514	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	*125*		*"*	*100*		*125*	*70-130*			
Surrogate: o-Terphenyl	*53.8*		*"*	*50.0*		*108*	*70-130*			

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1605 - TX 1005										
Calibration Check (P2I1605-CCV3)				Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	527	25.0	mg/kg	500		105	85-115			
>C12-C28	532	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	*129*		*"*	*100*		*129*	*70-130*			
Surrogate: o-Terphenyl	*56.5*		*"*	*50.0*		*113*	*70-130*			
Duplicate (P2I1605-DUP1)		**Source: 2I14015-01**		Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	543	526	mg/kg dry		345			44.5	20	R3
>C12-C28	6430	526	"		6260			2.71	20	
Surrogate: 1-Chlorooctane	*113*		*"*	*105*		*107*	*70-130*			
Surrogate: o-Terphenyl	*63.8*		*"*	*52.6*		*121*	*70-130*			
Batch P2I1606 - TX 1005										
Blank (P2I1606-BLK1)				Prepared & Analyzed: 09/16/22						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*97.2*		*"*	*100*		*97.2*	*70-130*			
Surrogate: o-Terphenyl	*52.9*		*"*	*50.0*		*106*	*70-130*			
LCS (P2I1606-BS1)				Prepared & Analyzed: 09/16/22						
C6-C12	944	25.0	mg/kg	1000		94.4	75-125			
>C12-C28	999	25.0	"	1000		99.9	75-125			
Surrogate: 1-Chlorooctane	*104*		*"*	*100*		*104*	*70-130*			
Surrogate: o-Terphenyl	*62.6*		*"*	*50.0*		*125*	*70-130*			
LCS Dup (P2I1606-BSD1)				Prepared & Analyzed: 09/16/22						
C6-C12	965	25.0	mg/kg	1000		96.5	75-125	2.20	20	
>C12-C28	1030	25.0	"	1000		103	75-125	3.22	20	
Surrogate: 1-Chlorooctane	*107*		*"*	*100*		*107*	*70-130*			
Surrogate: o-Terphenyl	*58.0*		*"*	*50.0*		*116*	*70-130*			

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1606 - TX 1005										
Calibration Check (P2I1606-CCV1)				Prepared & Analyzed: 09/16/22						
C6-C12	478	25.0	mg/kg	500		95.6	85-115			
>C12-C28	538	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	*121*		*"*	*100*		*121*	*70-130*			
Surrogate: o-Terphenyl	*54.5*		*"*	*50.0*		*109*	*70-130*			
Calibration Check (P2I1606-CCV2)				Prepared & Analyzed: 09/16/22						
C6-C12	481	25.0	mg/kg	500		96.2	85-115			
>C12-C28	556	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	*124*		*"*	*100*		*124*	*70-130*			
Surrogate: o-Terphenyl	*55.8*		*"*	*50.0*		*112*	*70-130*			
Matrix Spike (P2I1606-MS1)	**Source: 2I15005-35**			Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	930	25.3	mg/kg dry	1010	16.9	90.4	75-125			
>C12-C28	992	25.3	"	1010	ND	98.2	75-125			
Surrogate: 1-Chlorooctane	*97.8*		*"*	*101*		*96.8*	*70-130*			
Surrogate: o-Terphenyl	*51.3*		*"*	*50.5*		*102*	*70-130*			
Matrix Spike Dup (P2I1606-MSD1)	**Source: 2I15005-35**			Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	926	25.3	mg/kg dry	1010	16.9	90.0	75-125	0.480	20	
>C12-C28	991	25.3	"	1010	ND	98.1	75-125	0.0988	20	
Surrogate: 1-Chlorooctane	*98.9*		*"*	*101*		*97.9*	*70-130*			
Surrogate: o-Terphenyl	*51.3*		*"*	*50.5*		*102*	*70-130*			
Batch P2I1610 - TX 1005										
Blank (P2I1610-BLK1)				Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*99.7*		*"*	*100*		*99.7*	*70-130*			
Surrogate: o-Terphenyl	*54.5*		*"*	*50.0*		*109*	*70-130*			

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1610 - TX 1005										
LCS (P2I1610-BS1)				Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	985	25.0	mg/kg	1000		98.5	75-125			
>C12-C28	1070	25.0	"	1000		107	75-125			
Surrogate: 1-Chlorooctane	*107*		*"*	*100*		*107*	*70-130*			
Surrogate: o-Terphenyl	*56.2*		*"*	*50.0*		*112*	*70-130*			
LCS Dup (P2I1610-BSD1)				Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	998	25.0	mg/kg	1000		99.8	75-125	1.30	20	
>C12-C28	1080	25.0	"	1000		108	75-125	1.16	20	
Surrogate: 1-Chlorooctane	*108*		*"*	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*56.1*		*"*	*50.0*		*112*	*70-130*			
Calibration Check (P2I1610-CCV1)				Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	513	25.0	mg/kg	500		103	85-115			
>C12-C28	575	25.0	"	500		115	85-115			
Surrogate: 1-Chlorooctane	*128*		*"*	*100*		*128*	*70-130*			
Surrogate: o-Terphenyl	*57.9*		*"*	*50.0*		*116*	*70-130*			
Calibration Check (P2I1610-CCV2)				Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	509	25.0	mg/kg	500		102	85-115			
>C12-C28	571	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	*129*		*"*	*100*		*129*	*70-130*			
Surrogate: o-Terphenyl	*64.6*		*"*	*50.0*		*129*	*70-130*			
Calibration Check (P2I1610-CCV3)				Prepared: 09/16/22 Analyzed: 09/17/22						
C6-C12	538	25.0	mg/kg	500		108	85-115			
>C12-C28	531	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	*110*		*"*	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*62.6*		*"*	*50.0*		*125*	*70-130*			

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1610 - TX 1005										
Duplicate (P2I1610-DUP1)	**Source: 2I15011-01**		Prepared: 09/16/22 Analyzed: 09/17/22							
C6-C12	389	526	mg/kg dry		401			2.82	20	
>C12-C28	23400	526	"		22800			2.72	20	
Surrogate: 1-Chlorooctane	*88.0*		*"*	*105*		*83.6*	*70-130*			
Surrogate: o-Terphenyl	*56.8*		*"*	*52.6*		*108*	*70-130*			

Larson & Associates, Inc.	Project: Red Tanks PW Release
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

Notes and Definitions

ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
R2	The RPD exceeded the acceptance limit.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/26/2022

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project:	Red Tanks PW Release
P.O. Box 50685	Project Number:	22-0104-05
Midland TX, 79710	Project Manager:	Mark Larson

L:MM

№ 1831

CHAIN-OF-CUSTOD

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

DATE: 9/15/2022 PAGE 1 OF 3

PO#: LAB WORK ORDER#: 21I5005

PROJECT LOCATION OR NAME: Red Tanks Bone Spring

LAI PROJECT #: 22-0104-05 COLLECTOR: DSG / JH

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MNT / NM

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐	8082 PCBS ☐	8151 HERBICIDES ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D.W. 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	CYANIDE ☐	pH ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
S-23 1'	1	9/12/22	1340	S	1				X		X		X	X	X																									X			
S-23 3'	2		1341																																								
S-23 5'	3		1345																																								
S-23 10'	4		1346																																								
S-20 1'	5		1415																																								
S-20 3'	6		1416																																								
S-20 5'	7		1420																																								
S-20 10'	8		1421																																								
S-19 1'	9	9/13/22	1030																																								
S-19 3'	10		1031																																								
S-19 5'	11		1040																																								
S-19 10'	12		1045																																								
S-19 15'	13		1100																																								
S-18 1'	14		1135																																								
S-18 3'	15		1136																																								
TOTAL 15																																											

RELINQUISHED BY:(Signature) Daniel Hernandez DATE/TIME 9/15/22 9:15 RECEIVED BY: (Signature) Trina Bledsoe

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

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

LABORATORY: PBEL

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

LABORATORY USE ONLY:
RECEIVING TEMP: -11.7 -10.7 CF+1 THERM#: 11
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

LMM

№ 1832

CHAIN-OF-CUSTOD

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

DATE: 9/15/2022 PAGE 2 OF 3

PO#: LAB WORK ORDER#: 2I15005

PROJECT LOCATION OR NAME: Red Tanks PW Release

LAI PROJECT #: 22-0104-05 COLLECTOR: DSG JDH

Data Reported to:

TRRP report? ☐ Yes ☐ No

TIME ZONE: Time zone/State:

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

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESSERVED

ANALYSES: BTEX ☒ MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☒ | OIL - MOD 8015 ☐ | VOC 8260 ☐ | SVOC 8270 ☐ | PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ CYANIDE ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☒	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐	pH ☐ HEXAVALENT CHROMIUM ☐ CYANIDE ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
S-18 5'	16	9/13/22	1140	S	1				X		X		X	X	X														X			
S-18 10'	17	"	1141	"	"				"		"		"	"	"														"			
S-18 15'	18	"	1210	"	"				"		"		"	"	"														"			
S-18 20'	19	"	1320	"	"				"		"		"	"	"														"			
S-17 1'	20	9/14/22	1000	"	"				"		"		"	"	"														"			
S-17 3'	21	"	1001	"	"				"		"		"	"	"														"			
S-17 5'	22	"	1005	"	"				"		"		"	"	"														"			
S-17 10'	23	"	1006	"	"				"		"		"	"	"														"			
S-16 1'	24	"	1030	"	"				"		"		"	"	"														"			
S-16 3'	25	"	1031	"	"				"		"		"	"	"														"			
S-16 5'	26	"	1035	"	"				"		"		"	"	"														"			
S-16 10'	27	"	1036	"	"				"		"		"	"	"														"			
S-15 1'	28	"	1105	"	"				"		"		"	"	"														"			
S-15 3'	29	"	1106	"	"				"		"		"	"	"														"			
S-15 5'	30	"	1110	"	"				"		"		"	"	"														"			

TOTAL 15

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
Daniel Stefanski	9/15/2022 9:15	Tiffany Bledsoe
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: PBEL

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

LABORATORY USE ONLY:
RECEIVING TEMP: -11.7 -10.7 THERM#: CFH LI
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

L:MH

№ 1833

CHAIN-OF-CUSTOD

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

DATE: 9/15/2022 PAGE 3 OF 3

PO#: LAB WORK ORDER#: 2I15005

PROJECT LOCATION OR NAME: ~~Red Tanks Pit Release~~

LAI PROJECT #: 22-0104-05 COLLECTOR: DSG/MH

Data Reported to:

TRRP report? ☐ Yes ☒ No

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

TIME ZONE: Time zone/State: MNT / NM

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐	pH ☐ HEXAVALENT CHROMIUM ☐ CYANIDE ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
S-15 10'	31	9/14/22	1111	S	1				X		X			X	X	X												X		
S-15 15'	32	"	1130	"	"				"		"			"	"	"												"		
S-15 20'	33	"	1200	"	"				"		"			"	"	"												"		
S-21 1'	34	"	1215	"	"				"		"			"	"	"												"		
S-21 3'	35	"	1216	"	"				"		"			"	"	"												"		
S-21 5'	36	"	1220	"	"				"		"			"	"	"												"		
S-21 10'	37	"	1221	"	"				"		"			"	"	"												"		
S-14 1'	38	"	1245	"	"				"		"			"	"	"												"		
S-14 3'	39	"	1246	"	"				"		"			"	"	"												"		
S-14 5'	40	"	1250	"	"				"		"			"	"	"												"		
S-14 10'	41	"	1251	"	"				"		"			"	"	"												"		

TOTAL 11

RELINQUISHED BY:(Signature) Daniel Holtzman DATE/TIME 9/15/2022 9:15 RECEIVED BY:(Signature) Tessa Bledsoe

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

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

LABORATORY: PBEL

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

LABORATORY USE ONLY:
RECEIVING TEMP: 11.7 10.7 THERM#: CF-1 L1
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/16/2022 3:53:58 PM

JOB DESCRIPTION

Select Energy-Red Tanks
SDG NUMBER 22-0104-05

JOB NUMBER

880-21421-1

Eurofins Midland
1211 W. Florida Ave
Midland TX79701

my EOL

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Laboratory Job ID: 880-21421-1
SDG: 22-0104-05

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-21421-1
Project/Site: Select Energy-Red Tanks SDG: 22-0104-05

Qualifiers

GC VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Job ID: 880-21421-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-21421-1

Receipt
The samples were received on 11/10/2022 8:39 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 5.4º C.

Receipt Exceptions
The following samples were received and analyzed from a bulk soil jar: S-13, 1' (880-21421-1), S-13, 3' (880-21421-2), S-13, 5' (880-21421-3), S-12, 1' (880-21421-4), S-12, 3' (880-21421-5), S-12, 5' (880-21421-6), S-11, 1' (880-21421-7), S-11, 3' (880-21421-8), S-11, 5' (880-21421-9), S-10, 1' (880-21421-10), S-10, 3' (880-21421-11), S-10, 5' (880-21421-12), S-9, 1' (880-21421-13), S-9, 3' (880-21421-14), S-9, 5' (880-21421-15), S-8, 1' (880-21421-16), S-8, 3' (880-21421-17), S-8, 5' (880-21421-18), S-7, 1' (880-21421-19), S-7, 3' (880-21421-20), S-7, 5' (880-21421-21), S-6, 1' (880-21421-22), S-6, 3' (880-21421-23), S-6, 5' (880-21421-24), S-5, 1' (880-21421-25), S-5, 3' (880-21421-26), S-5, 5' (880-21421-27), S-4, 1' (880-21421-28), S-4, 3' (880-21421-29), S-4, 5' (880-21421-30), S-3, 1' (880-21421-31), S-3, 3' (880-21421-32), S-3, 5' (880-21421-33), S-2, 1' (880-21421-34), S-2, 3' (880-21421-35), S-2, 5' (880-21421-36), S-1, 1' (880-21421-37), S-1, 3' (880-21421-38), S-1, 5' (880-21421-39), S-22, 1' (880-21421-40), S-22, 3' (880-21421-41) and S-22, 5' (880-21421-42).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: S-5, 3' (880-21421-26). 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: S-3, 1' (880-21421-31) and S-3, 3' (880-21421-32). 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: S-2, 3' (880-21421-35). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-39493 and analytical batch 880-39394 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 surrogate recovery for the blank associated with preparation batch 880-39251 and analytical batch 880-39391 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-39492 and analytical batch 880-39391 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-10, 1' (880-21421-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015B NM: The CCV was biased high for both gasoline and diesel range hydrocarbons. However, another CCV was analyzed and acceptable in the 12 hour period; therefore, the data was qualified and reported.
(CCV 880-39373/47)

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: S-22, 3' (880-21421-41) and (MB 880-39314/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-39299/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-21421-1
Project/Site: Select Energy-Red Tanks SDG: 22-0104-05

Job ID: 880-21421-1 (Continued)

Laboratory: Eurofins Midland (Continued)

880-39316 and analytical batch 880-39377 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39316 and analytical batch 880-39377 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.

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-39450 and 880-39450 and analytical batch 880-39643 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 880-39452 and analytical batch 880-39652 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: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-13, 1'

Date Collected: 11/02/22 12:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		11/14/22 13:29	11/15/22 01:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 01:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 01:41	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		11/14/22 13:29	11/15/22 01:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 01:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/14/22 13:29	11/15/22 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*11/14/22 13:29*	*11/15/22 01:41*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/14/22 13:29*	*11/15/22 01:41*	*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			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 11:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 11:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*11/11/22 09:37*	*11/12/22 11:25*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*11/11/22 09:37*	*11/12/22 11:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.1**		5.05		mg/Kg			11/15/22 21:57	1

Client Sample ID: S-13, 3'

Date Collected: 11/02/22 12:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		11/14/22 13:29	11/15/22 02:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 02:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 02:07	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 02:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 02:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*11/14/22 13:29*	*11/15/22 02:07*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/14/22 13:29*	*11/15/22 02:07*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-13, 3'
Date Collected: 11/02/22 12:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/11/22 09:37	11/12/22 12:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/22 09:37	11/12/22 12:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/22 09:37	11/12/22 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*11/11/22 09:37*	*11/12/22 12:31*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*11/11/22 09:37*	*11/12/22 12:31*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.1**		4.96		mg/Kg			11/15/22 22:18	1

Client Sample ID: S-13, 5'
Date Collected: 11/02/22 12:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		11/14/22 13:29	11/15/22 02:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 02:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 02:33	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 02:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 02:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*11/14/22 13:29*	*11/15/22 02:33*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/14/22 13:29*	*11/15/22 02:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 12:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 12:53	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-13, 5'

Date Collected: 11/02/22 12:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*11/11/22 09:37*	*11/12/22 12:53*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*11/11/22 09:37*	*11/12/22 12:53*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.9**		4.99		mg/Kg			11/15/22 22:25	1

Client Sample ID: S-12, 1'

Date Collected: 11/02/22 12:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-4

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		11/14/22 13:29	11/15/22 02:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 02:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 02:58	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/14/22 13:29	11/15/22 02:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 02:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/22 13:29	11/15/22 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*11/14/22 13:29*	*11/15/22 02:58*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*11/14/22 13:29*	*11/15/22 02:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 13:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 13:14	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*122*		*70 - 130*	*11/11/22 09:37*	*11/12/22 13:14*	*1*
o-Terphenyl (Surr)	*113*		*70 - 130*	*11/11/22 09:37*	*11/12/22 13:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.4**		5.01		mg/Kg			11/15/22 22:32	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-12, 3'

Date Collected: 11/02/22 13:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *-	0.00201		mg/Kg		11/14/22 13:29	11/15/22 03:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:29	11/15/22 03:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:29	11/15/22 03:24	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/14/22 13:29	11/15/22 03:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:29	11/15/22 03:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/14/22 13:29	11/15/22 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/14/22 13:29*	*11/15/22 03:24*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/14/22 13:29*	*11/15/22 03:24*	*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			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 13:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 13:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*11/11/22 09:37*	*11/12/22 13:36*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*11/11/22 09:37*	*11/12/22 13:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.9**		5.04		mg/Kg			11/15/22 22:39	1

Client Sample ID: S-12, 5'

Date Collected: 11/02/22 13:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		11/14/22 13:29	11/15/22 03:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 03:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 03:49	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 03:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 03:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 03:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/14/22 13:29*	*11/15/22 03:49*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/14/22 13:29*	*11/15/22 03:49*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-12, 5'
Date Collected: 11/02/22 13:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 13:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 13:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*11/11/22 09:37*	*11/12/22 13:58*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*11/11/22 09:37*	*11/12/22 13:58*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.2**		4.96		mg/Kg			11/15/22 23:01	1

Client Sample ID: S-11, 1'
Date Collected: 11/02/22 13:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		11/14/22 13:29	11/15/22 04:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 04:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 04:15	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 04:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 04:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*11/14/22 13:29*	*11/15/22 04:15*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*11/14/22 13:29*	*11/15/22 04:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 14:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 14:19	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-11, 1'

Date Collected: 11/02/22 13:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*11/11/22 09:37*	*11/12/22 14:19*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*11/11/22 09:37*	*11/12/22 14:19*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.8**		4.96		mg/Kg			11/15/22 23:08	1

Client Sample ID: S-11, 3'

Date Collected: 11/02/22 13:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		11/14/22 13:29	11/15/22 04:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 04:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 04:41	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/14/22 13:29	11/15/22 04:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 04:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/22 13:29	11/15/22 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*11/14/22 13:29*	*11/15/22 04:41*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/14/22 13:29*	*11/15/22 04:41*	*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			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 14:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 14:41	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*11/11/22 09:37*	*11/12/22 14:41*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*11/11/22 09:37*	*11/12/22 14:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**646**		5.00		mg/Kg			11/15/22 23:15	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-11, 5'

Date Collected: 11/02/22 14:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *-	0.00198		mg/Kg		11/14/22 13:29	11/15/22 05:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/14/22 13:29	11/15/22 05:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/14/22 13:29	11/15/22 05:06	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		11/14/22 13:29	11/15/22 05:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/14/22 13:29	11/15/22 05:06	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/14/22 13:29	11/15/22 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/14/22 13:29*	*11/15/22 05:06*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/14/22 13:29*	*11/15/22 05:06*	*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			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 15:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 15:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*11/11/22 09:37*	*11/12/22 15:03*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*11/11/22 09:37*	*11/12/22 15:03*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**674**		4.97		mg/Kg			11/15/22 23:22	1

Client Sample ID: S-10, 1'

Date Collected: 11/02/22 14:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-10

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		11/14/22 13:29	11/15/22 05:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 05:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 05:32	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 05:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 05:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*11/14/22 13:29*	*11/15/22 05:32*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/14/22 13:29*	*11/15/22 05:32*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-10, 1'

Date Collected: 11/02/22 14:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 15:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 15:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*11/11/22 09:37*	*11/12/22 15:24*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*11/11/22 09:37*	*11/12/22 15:24*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.0**		5.03		mg/Kg			11/15/22 23:29	1

Client Sample ID: S-10, 3'

Date Collected: 11/02/22 14:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-11
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		11/14/22 13:29	11/15/22 07:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 07:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 07:18	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 07:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 07:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 07:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*11/14/22 13:29*	*11/15/22 07:18*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/14/22 13:29*	*11/15/22 07:18*	*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			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 16:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 16:07	1

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Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-21421-1
Project/Site: Select Energy-Red Tanks SDG: 22-0104-05

Client Sample ID: S-10, 3'
Lab Sample ID: 880-21421-11
Date Collected: 11/02/22 14:30 **Matrix: Solid**
Date Received: 11/10/22 08:39

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*11/11/22 09:37*	*11/12/22 16:07*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*11/11/22 09:37*	*11/12/22 16:07*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.3**		5.01		mg/Kg			11/15/22 23:36	1

Client Sample ID: S-10, 5'
Lab Sample ID: 880-21421-12
Date Collected: 11/02/22 14:45 **Matrix: Solid**
Date Received: 11/10/22 08:39

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		11/14/22 13:29	11/15/22 07:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 07:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 07:46	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/14/22 13:29	11/15/22 07:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 07:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/22 13:29	11/15/22 07:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*11/14/22 13:29*	*11/15/22 07:46*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/14/22 13:29*	*11/15/22 07:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 16:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 16:28	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*11/11/22 09:37*	*11/12/22 16:28*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*11/11/22 09:37*	*11/12/22 16:28*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		4.99		mg/Kg			11/15/22 23:58	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-9, 1'

Date Collected: 11/02/22 15:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		11/14/22 13:29	11/15/22 08:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 08:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 08:12	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 08:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 08:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 08:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/14/22 13:29*	*11/15/22 08:12*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/14/22 13:29*	*11/15/22 08:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 16:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 16:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*93*		*70 - 130*	*11/11/22 09:37*	*11/12/22 16:50*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*11/11/22 09:37*	*11/12/22 16:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.6**		4.95		mg/Kg			11/16/22 00:05	1

Client Sample ID: S-9, 3'

Date Collected: 11/02/22 15:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		11/14/22 13:29	11/15/22 08:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 08:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 08:39	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 08:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:29	11/15/22 08:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:29	11/15/22 08:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*11/14/22 13:29*	*11/15/22 08:39*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/14/22 13:29*	*11/15/22 08:39*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-9, 3'

Date Collected: 11/02/22 15:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 17:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 17:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*11/11/22 09:37*	*11/12/22 17:11*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*11/11/22 09:37*	*11/12/22 17:11*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.2**		5.03		mg/Kg			11/16/22 00:26	1

Client Sample ID: S-9, 5'

Date Collected: 11/02/22 15:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		11/14/22 13:29	11/15/22 09:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 09:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 09:05	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/14/22 13:29	11/15/22 09:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 09:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/22 13:29	11/15/22 09:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/14/22 13:29*	*11/15/22 09:05*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*11/14/22 13:29*	*11/15/22 09:05*	*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			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/11/22 09:37	11/12/22 17:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/22 09:37	11/12/22 17:32	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-9, 5'
Date Collected: 11/02/22 15:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/22 09:37	11/12/22 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*11/11/22 09:37*	*11/12/22 17:32*	*1*
o-Terphenyl (Surr)	*82*		*70 - 130*	*11/11/22 09:37*	*11/12/22 17:32*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.6**		5.02		mg/Kg			11/16/22 00:33	1

Client Sample ID: S-8, 1'
Date Collected: 11/02/22 15:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-16
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		11/14/22 13:29	11/15/22 09:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 09:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 09:31	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		11/14/22 13:29	11/15/22 09:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 09:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/14/22 13:29	11/15/22 09:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*11/14/22 13:29*	*11/15/22 09:31*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/14/22 13:29*	*11/15/22 09:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 17:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 17:54	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*87*		*70 - 130*	*11/11/22 09:37*	*11/12/22 17:54*	*1*
o-Terphenyl (Surr)	*85*		*70 - 130*	*11/11/22 09:37*	*11/12/22 17:54*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.0**		4.97		mg/Kg			11/16/22 00:40	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-8, 3'

Date Collected: 11/02/22 16:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-17
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		11/14/22 13:29	11/15/22 09:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 09:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 09:57	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/14/22 13:29	11/15/22 09:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 09:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 13:29	11/15/22 09:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/14/22 13:29*	*11/15/22 09:57*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/14/22 13:29*	*11/15/22 09:57*	*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			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 18:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 18:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*11/11/22 09:37*	*11/12/22 18:15*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*11/11/22 09:37*	*11/12/22 18:15*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.8**		4.96		mg/Kg			11/16/22 00:48	1

Client Sample ID: S-8, 5'

Date Collected: 11/02/22 16:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		11/14/22 13:29	11/15/22 10:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 10:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 10:23	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		11/14/22 13:29	11/15/22 10:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 10:23	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/14/22 13:29	11/15/22 10:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/14/22 13:29*	*11/15/22 10:23*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*11/14/22 13:29*	*11/15/22 10:23*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-8, 5'

Lab Sample ID: 880-21421-18
Matrix: Solid
Date Collected: 11/02/22 16:15
Date Received: 11/10/22 08:39

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			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 18:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 18:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*11/11/22 09:37*	*11/12/22 18:36*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*11/11/22 09:37*	*11/12/22 18:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.3**		5.00		mg/Kg			11/16/22 00:55	1

Client Sample ID: S-7, 1'

Lab Sample ID: 880-21421-19
Matrix: Solid
Date Collected: 11/03/22 09:00
Date Received: 11/10/22 08:39

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		11/14/22 13:29	11/15/22 10:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:29	11/15/22 10:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:29	11/15/22 10:49	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/14/22 13:29	11/15/22 10:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:29	11/15/22 10:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/14/22 13:29	11/15/22 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/14/22 13:29*	*11/15/22 10:49*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/14/22 13:29*	*11/15/22 10:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 18:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 18:58	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-7, 1'

Lab Sample ID: 880-21421-19
Matrix: Solid
Date Collected: 11/03/22 09:00
Date Received: 11/10/22 08:39

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 09:37	11/12/22 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*11/11/22 09:37*	*11/12/22 18:58*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*11/11/22 09:37*	*11/12/22 18:58*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.0**		4.96		mg/Kg			11/16/22 01:02	1

Client Sample ID: S-7, 3'

Lab Sample ID: 880-21421-20
Matrix: Solid
Date Collected: 11/03/22 09:15
Date Received: 11/10/22 08:39

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		11/14/22 13:29	11/15/22 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 11:15	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/14/22 13:29	11/15/22 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 11:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/22 13:29	11/15/22 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/14/22 13:29*	*11/15/22 11:15*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*11/14/22 13:29*	*11/15/22 11:15*	*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			11/15/22 11:32	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			11/14/22 14:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/11/22 09:37	11/12/22 19:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/22 09:37	11/12/22 19:19	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/22 09:37	11/12/22 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*11/11/22 09:37*	*11/12/22 19:19*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*11/11/22 09:37*	*11/12/22 19:19*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.3**		5.04		mg/Kg			11/16/22 01:09	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-7, 5'

Date Collected: 11/03/22 09:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-21
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		11/14/22 13:37	11/14/22 23:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/14/22 13:37	11/14/22 23:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/14/22 13:37	11/14/22 23:10	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		11/14/22 13:37	11/14/22 23:10	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		11/14/22 13:37	11/14/22 23:10	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/14/22 13:37	11/14/22 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/14/22 13:37*	*11/14/22 23:10*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/14/22 13:37*	*11/14/22 23:10*	*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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1 F1	50.0		mg/Kg		11/11/22 10:27	11/13/22 21:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		11/11/22 10:27	11/13/22 21:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/13/22 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*40*	*S1-*	*70 - 130*	*11/11/22 10:27*	*11/13/22 21:44*	*1*
o-Terphenyl (Surr)	*33*	*S1-*	*70 - 130*	*11/11/22 10:27*	*11/13/22 21:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.8**	**F1**	5.05		mg/Kg			11/16/22 02:06	1

Client Sample ID: S-6, 1'

Date Collected: 11/03/22 09:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/14/22 23:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/14/22 23:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/14/22 23:31	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/14/22 13:37	11/14/22 23:31	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		11/14/22 13:37	11/14/22 23:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/22 13:37	11/14/22 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*11/14/22 13:37*	*11/14/22 23:31*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*11/14/22 13:37*	*11/14/22 23:31*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-6, 1'
Date Collected: 11/03/22 09:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-22
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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		11/11/22 10:27	11/13/22 22:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/22 10:27	11/13/22 22:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/22 10:27	11/13/22 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*55*	*S1-*	*70 - 130*	*11/11/22 10:27*	*11/13/22 22:50*	*1*
o-Terphenyl (Surr)	*54*	*S1-*	*70 - 130*	*11/11/22 10:27*	*11/13/22 22:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.0**		5.00		mg/Kg			11/16/22 02:28	1

Client Sample ID: S-6, 3'
Date Collected: 11/03/22 10:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/14/22 13:37	11/14/22 23:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/14/22 13:37	11/14/22 23:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/14/22 13:37	11/14/22 23:51	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		11/14/22 13:37	11/14/22 23:51	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		11/14/22 13:37	11/14/22 23:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/14/22 13:37	11/14/22 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*11/14/22 13:37*	*11/14/22 23:51*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*11/14/22 13:37*	*11/14/22 23:51*	*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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/11/22 10:27	11/13/22 23:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/13/22 23:12	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-6, 3'

Lab Sample ID: 880-21421-23
Matrix: Solid
Date Collected: 11/03/22 10:00
Date Received: 11/10/22 08:39

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/13/22 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*56*	*S1-*	*70 - 130*	*11/11/22 10:27*	*11/13/22 23:12*	*1*
o-Terphenyl (Surr)	*56*	*S1-*	*70 - 130*	*11/11/22 10:27*	*11/13/22 23:12*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.9**		4.99		mg/Kg			11/16/22 02:35	1

Client Sample ID: S-6, 5'

Lab Sample ID: 880-21421-24
Matrix: Solid
Date Collected: 11/03/22 10:15
Date Received: 11/10/22 08:39

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		11/14/22 13:37	11/15/22 00:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:37	11/15/22 00:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:37	11/15/22 00:12	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/14/22 13:37	11/15/22 00:12	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		11/14/22 13:37	11/15/22 00:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/14/22 13:37	11/15/22 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*11/14/22 13:37*	*11/15/22 00:12*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*11/14/22 13:37*	*11/15/22 00:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/11/22 10:27	11/13/22 23:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/13/22 23:34	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/13/22 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*68*	*S1-*	*70 - 130*	*11/11/22 10:27*	*11/13/22 23:34*	*1*
o-Terphenyl (Surr)	*69*	*S1-*	*70 - 130*	*11/11/22 10:27*	*11/13/22 23:34*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.4**		4.95		mg/Kg			11/16/22 02:42	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-5, 1'

Date Collected: 11/03/22 10:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-25
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:37	11/15/22 00:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:37	11/15/22 00:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:37	11/15/22 00:33	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/14/22 13:37	11/15/22 00:33	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		11/14/22 13:37	11/15/22 00:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/14/22 13:37	11/15/22 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/14/22 13:37*	*11/15/22 00:33*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/14/22 13:37*	*11/15/22 00:33*	*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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/11/22 10:27	11/13/22 23:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/13/22 23:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/13/22 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*11/11/22 10:27*	*11/13/22 23:56*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*11/11/22 10:27*	*11/13/22 23:56*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.1**		4.99		mg/Kg			11/16/22 02:49	1

Client Sample ID: S-5, 3'

Date Collected: 11/03/22 10:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-26
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		11/14/22 13:37	11/15/22 00:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 00:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 00:53	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 00:53	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		11/14/22 13:37	11/15/22 00:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*38*	*S1-*	*70 - 130*	*11/14/22 13:37*	*11/15/22 00:53*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*11/14/22 13:37*	*11/15/22 00:53*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-5, 3'
Date Collected: 11/03/22 10:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-26
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/11/22 10:27	11/14/22 00:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 00:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*11/11/22 10:27*	*11/14/22 00:17*	*1*
o-Terphenyl (Surr)	*109*		*70 - 130*	*11/11/22 10:27*	*11/14/22 00:17*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.9**		4.97		mg/Kg			11/16/22 03:10	1

Client Sample ID: S-5, 5'
Date Collected: 11/03/22 11:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-27
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		11/14/22 13:37	11/15/22 01:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 01:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 01:14	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 01:14	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		11/14/22 13:37	11/15/22 01:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*11/14/22 13:37*	*11/15/22 01:14*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/14/22 13:37*	*11/15/22 01:14*	*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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/11/22 10:27	11/14/22 00:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/14/22 00:40	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-5, 5'
Date Collected: 11/03/22 11:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/14/22 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*81*		*70 - 130*	*11/11/22 10:27*	*11/14/22 00:40*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*11/11/22 10:27*	*11/14/22 00:40*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.4**		5.00		mg/Kg			11/16/22 03:17	1

Client Sample ID: S-4, 1'
Date Collected: 11/03/22 11:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-28
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		11/14/22 13:37	11/15/22 01:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/15/22 01:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/15/22 01:35	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/14/22 13:37	11/15/22 01:35	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		11/14/22 13:37	11/15/22 01:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 13:37	11/15/22 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/14/22 13:37*	*11/15/22 01:35*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/14/22 13:37*	*11/15/22 01:35*	*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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/11/22 10:27	11/14/22 01:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 01:01	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*95*		*70 - 130*	*11/11/22 10:27*	*11/14/22 01:01*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*11/11/22 10:27*	*11/14/22 01:01*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**365**		4.99		mg/Kg			11/16/22 03:25	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-4, 3'

Date Collected: 11/03/22 11:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-29
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		11/14/22 13:37	11/15/22 01:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/15/22 01:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/15/22 01:55	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		11/14/22 13:37	11/15/22 01:55	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		11/14/22 13:37	11/15/22 01:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/14/22 13:37	11/15/22 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*11/14/22 13:37*	*11/15/22 01:55*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*11/14/22 13:37*	*11/15/22 01:55*	*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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/11/22 10:27	11/14/22 01:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/14/22 01:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/14/22 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*11/11/22 10:27*	*11/14/22 01:44*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*11/11/22 10:27*	*11/14/22 01:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**773**		4.98		mg/Kg			11/16/22 03:32	1

Client Sample ID: S-4, 5'

Date Collected: 11/03/22 11:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-30
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		11/14/22 13:37	11/15/22 02:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/14/22 13:37	11/15/22 02:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/14/22 13:37	11/15/22 02:16	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		11/14/22 13:37	11/15/22 02:16	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		11/14/22 13:37	11/15/22 02:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/14/22 13:37	11/15/22 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/14/22 13:37*	*11/15/22 02:16*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*11/14/22 13:37*	*11/15/22 02:16*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-4, 5'
Date Collected: 11/03/22 11:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-30
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/11/22 10:27	11/14/22 02:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 02:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*82*		*70 - 130*	*11/11/22 10:27*	*11/14/22 02:05*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*11/11/22 10:27*	*11/14/22 02:05*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**999**		4.95		mg/Kg			11/16/22 03:39	1

Client Sample ID: S-3, 1'
Date Collected: 11/03/22 12:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-31
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		11/14/22 13:37	11/15/22 03:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 03:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 03:39	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 03:39	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		11/14/22 13:37	11/15/22 03:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*42*	*S1-*	*70 - 130*	*11/14/22 13:37*	*11/15/22 03:39*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*11/14/22 13:37*	*11/15/22 03:39*	*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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/11/22 10:27	11/14/22 02:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/14/22 02:27	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-3, 1'
Date Collected: 11/03/22 12:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-31
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/14/22 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*11/11/22 10:27*	*11/14/22 02:27*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*11/11/22 10:27*	*11/14/22 02:27*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.9**	**F1**	5.05		mg/Kg			11/16/22 03:46	1

Client Sample ID: S-3, 3'
Date Collected: 11/03/22 12:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-32
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		11/14/22 13:37	11/15/22 03:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 03:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 03:59	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 03:59	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		11/14/22 13:37	11/15/22 03:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*11/14/22 13:37*	*11/15/22 03:59*	*1*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*11/14/22 13:37*	*11/15/22 03:59*	*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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/11/22 10:27	11/14/22 02:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/14/22 02:48	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/14/22 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*11/11/22 10:27*	*11/14/22 02:48*	*1*
o-Terphenyl (Surr)	*111*		*70 - 130*	*11/11/22 10:27*	*11/14/22 02:48*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.3**		4.98		mg/Kg			11/16/22 04:07	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-3, 5'

Date Collected: 11/03/22 12:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-33
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		11/14/22 13:37	11/15/22 04:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/15/22 04:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/15/22 04:20	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/14/22 13:37	11/15/22 04:20	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		11/14/22 13:37	11/15/22 04:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/22 13:37	11/15/22 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/14/22 13:37*	*11/15/22 04:20*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/14/22 13:37*	*11/15/22 04:20*	*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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/11/22 10:27	11/14/22 03:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/14/22 03:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/14/22 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*82*		*70 - 130*	*11/11/22 10:27*	*11/14/22 03:10*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*11/11/22 10:27*	*11/14/22 03:10*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.3**		5.00		mg/Kg			11/16/22 04:14	1

Client Sample ID: S-2, 1'

Date Collected: 11/03/22 12:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-34
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		11/14/22 13:37	11/15/22 04:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 04:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 04:41	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 04:41	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		11/14/22 13:37	11/15/22 04:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*11/14/22 13:37*	*11/15/22 04:41*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/14/22 13:37*	*11/15/22 04:41*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-2, 1'

Lab Sample ID: 880-21421-34
Matrix: Solid
Date Collected: 11/03/22 12:45
Date Received: 11/10/22 08:39

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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/11/22 10:27	11/14/22 03:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 03:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*11/11/22 10:27*	*11/14/22 03:32*	*1*
o-Terphenyl (Surr)	*96*		*70 - 130*	*11/11/22 10:27*	*11/14/22 03:32*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.0**		4.95		mg/Kg			11/16/22 04:36	1

Client Sample ID: S-2, 3'

Lab Sample ID: 880-21421-35
Matrix: Solid
Date Collected: 11/03/22 13:00
Date Received: 11/10/22 08:39

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		11/14/22 13:37	11/15/22 05:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 05:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 05:01	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 05:01	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		11/14/22 13:37	11/15/22 05:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*56*	*S1-*	*70 - 130*	*11/14/22 13:37*	*11/15/22 05:01*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*11/14/22 13:37*	*11/15/22 05:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/14/22 14:46	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		11/11/22 10:27	11/14/22 01:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/22 10:27	11/14/22 01:44	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-21421-1
Project/Site: Select Energy-Red Tanks SDG: 22-0104-05

Client Sample ID: S-2, 3'
Lab Sample ID: 880-21421-35
Date Collected: 11/03/22 13:00 **Matrix: Solid**
Date Received: 11/10/22 08:39

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/22 10:27	11/14/22 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*11/11/22 10:27*	*11/14/22 01:44*	*1*
o-Terphenyl (Surr)	*83*		*70 - 130*	*11/11/22 10:27*	*11/14/22 01:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.9**		5.01		mg/Kg			11/16/22 04:43	1

Client Sample ID: S-2, 5'
Lab Sample ID: 880-21421-36
Date Collected: 11/03/22 13:15 **Matrix: Solid**
Date Received: 11/10/22 08:39

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		11/14/22 13:37	11/15/22 05:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/15/22 05:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/15/22 05:22	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/14/22 13:37	11/15/22 05:22	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		11/14/22 13:37	11/15/22 05:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 13:37	11/15/22 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*11/14/22 13:37*	*11/15/22 05:22*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/14/22 13:37*	*11/15/22 05:22*	*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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 14:46	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		11/11/22 10:27	11/14/22 02:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 02:05	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*82*		*70 - 130*	*11/11/22 10:27*	*11/14/22 02:05*	*1*
o-Terphenyl (Surr)	*81*		*70 - 130*	*11/11/22 10:27*	*11/14/22 02:05*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.2**		4.98		mg/Kg			11/16/22 04:50	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-1, 1'

Date Collected: 11/03/22 13:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-37
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		11/14/22 13:37	11/15/22 05:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:37	11/15/22 05:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/14/22 13:37	11/15/22 05:43	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/14/22 13:37	11/15/22 05:43	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		11/14/22 13:37	11/15/22 05:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/14/22 13:37	11/15/22 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*11/14/22 13:37*	*11/15/22 05:43*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*11/14/22 13:37*	*11/15/22 05:43*	*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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 14:46	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		11/11/22 10:27	11/14/22 02:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 02:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*11/11/22 10:27*	*11/14/22 02:27*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*11/11/22 10:27*	*11/14/22 02:27*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.4**		5.00		mg/Kg			11/16/22 04:57	1

Client Sample ID: S-1, 3'

Date Collected: 11/03/22 13:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-38
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		11/14/22 13:37	11/15/22 06:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/15/22 06:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/15/22 06:03	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		11/14/22 13:37	11/15/22 06:03	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		11/14/22 13:37	11/15/22 06:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/22 13:37	11/15/22 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*11/14/22 13:37*	*11/15/22 06:03*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/14/22 13:37*	*11/15/22 06:03*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-1, 3'
Date Collected: 11/03/22 13:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-38
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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 14:46	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		11/11/22 10:27	11/14/22 02:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/14/22 02:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/14/22 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*11/11/22 10:27*	*11/14/22 02:48*	*1*
o-Terphenyl (Surr)	*87*		*70 - 130*	*11/11/22 10:27*	*11/14/22 02:48*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.0**		5.00		mg/Kg			11/16/22 05:04	1

Client Sample ID: S-1, 5'
Date Collected: 11/03/22 14:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-39
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		11/14/22 13:37	11/15/22 06:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 06:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:37	11/15/22 06:24	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 06:24	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		11/14/22 13:37	11/15/22 06:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:37	11/15/22 06:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/14/22 13:37*	*11/15/22 06:24*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*11/14/22 13:37*	*11/15/22 06:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 14:46	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		11/11/22 10:27	11/14/22 03:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 03:10	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-21421-1
Project/Site: Select Energy-Red Tanks SDG: 22-0104-05

Client Sample ID: S-1, 5'
Lab Sample ID: 880-21421-39
Date Collected: 11/03/22 14:00 **Matrix: Solid**
Date Received: 11/10/22 08:39

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 10:27	11/14/22 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*11/11/22 10:27*	*11/14/22 03:10*	*1*
o-Terphenyl (Surr)	*88*		*70 - 130*	*11/11/22 10:27*	*11/14/22 03:10*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.5**		4.96		mg/Kg			11/16/22 05:11	1

Client Sample ID: S-22, 1'
Lab Sample ID: 880-21421-40
Date Collected: 11/04/22 08:30 **Matrix: Solid**
Date Received: 11/10/22 08:39

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		11/14/22 13:37	11/15/22 06:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/15/22 06:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/15/22 06:45	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/14/22 13:37	11/15/22 06:45	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		11/14/22 13:37	11/15/22 06:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 13:37	11/15/22 06:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/14/22 13:37*	*11/15/22 06:45*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*11/14/22 13:37*	*11/15/22 06:45*	*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			11/15/22 10:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/14/22 14:46	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		11/11/22 10:27	11/14/22 03:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/22 10:27	11/14/22 03:32	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/22 10:27	11/14/22 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*11/11/22 10:27*	*11/14/22 03:32*	*1*
o-Terphenyl (Surr)	*74*		*70 - 130*	*11/11/22 10:27*	*11/14/22 03:32*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.2**		5.01		mg/Kg			11/16/22 05:18	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-22, 3'

Date Collected: 11/04/22 08:31
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-41
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		11/14/22 13:45	11/15/22 11:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:45	11/15/22 11:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:45	11/15/22 11:01	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		11/14/22 13:45	11/15/22 11:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:45	11/15/22 11:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/14/22 13:45	11/15/22 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*11/14/22 13:45*	*11/15/22 11:01*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/14/22 13:45*	*11/15/22 11:01*	*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			11/15/22 15:07	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			11/14/22 13:38	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		11/11/22 10:23	11/14/22 01:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/22 10:23	11/14/22 01:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/22 10:23	11/14/22 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*122*		*70 - 130*	*11/11/22 10:23*	*11/14/22 01:13*	*1*
o-Terphenyl (Surr)	*146*	*S1+*	*70 - 130*	*11/11/22 10:23*	*11/14/22 01:13*	*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			11/16/22 07:28	1

Client Sample ID: S-22, 5'

Date Collected: 11/04/22 08:32
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-42
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		11/14/22 13:45	11/15/22 11:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:45	11/15/22 11:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:45	11/15/22 11:21	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/14/22 13:45	11/15/22 11:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/22 13:45	11/15/22 11:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 13:45	11/15/22 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*11/14/22 13:45*	*11/15/22 11:21*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/14/22 13:45*	*11/15/22 11:21*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-22, 5'

Date Collected: 11/04/22 08:32
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-42

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 15:07	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			11/14/22 13:38	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		11/11/22 10:23	11/14/22 01:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 10:23	11/14/22 01:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:23	11/14/22 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*114*		*70 - 130*	*11/11/22 10:23*	*11/14/22 01:54*	*1*
o-Terphenyl (Surr)	*128*		*70 - 130*	*11/11/22 10:23*	*11/14/22 01:54*	*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			11/16/22 07:34	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-21421-1	S-13, 1'	100	99										
880-21421-1 MS	S-13, 1'	108	101										
880-21421-1 MSD	S-13, 1'	110	106										
880-21421-2	S-13, 3'	113	99										
880-21421-3	S-13, 5'	90	92										
880-21421-4	S-12, 1'	86	94										
880-21421-5	S-12, 3'	103	105										
880-21421-6	S-12, 5'	93	99										
880-21421-7	S-11, 1'	86	90										
880-21421-8	S-11, 3'	118	110										
880-21421-9	S-11, 5'	104	110										
880-21421-10	S-10, 1'	61 S1-	104										
880-21421-11	S-10, 3'	87	99										
880-21421-12	S-10, 5'	88	98										
880-21421-13	S-9, 1'	99	102										
880-21421-14	S-9, 3'	91	92										
880-21421-15	S-9, 5'	104	95										
880-21421-16	S-8, 1'	102	104										
880-21421-17	S-8, 3'	104	101										
880-21421-18	S-8, 5'	93	96										
880-21421-19	S-7, 1'	104	100										
880-21421-20	S-7, 3'	104	96										
880-21421-21	S-7, 5'	104	102										
880-21421-21 MS	S-7, 5'	87	103										
880-21421-21 MSD	S-7, 5'	90	104										
880-21421-22	S-6, 1'	96	71										
880-21421-23	S-6, 3'	110	123										
880-21421-24	S-6, 5'	118	118										
880-21421-25	S-5, 1'	121	106										
880-21421-26	S-5, 3'	38 S1-	89										
880-21421-27	S-5, 5'	116	109										
880-21421-28	S-4, 1'	111	106										
880-21421-29	S-4, 3'	109	73										
880-21421-30	S-4, 5'	99	71										
880-21421-31	S-3, 1'	42 S1-	78										
880-21421-32	S-3, 3'	92	63 S1-										
880-21421-33	S-3, 5'	121	109										
880-21421-34	S-2, 1'	130	108										
880-21421-35	S-2, 3'	56 S1-	74										
880-21421-36	S-2, 5'	125	109										
880-21421-37	S-1, 1'	122	113										
880-21421-38	S-1, 3'	125	108										
880-21421-39	S-1, 5'	111	114										
880-21421-40	S-22, 1'	103	70										
880-21421-41	S-22, 3'	90	101										
880-21421-41 MS	S-22, 3'	88	123										
880-21421-41 MSD	S-22, 3'	94	116										
880-21421-42	S-22, 5'	95	97										
LCS 880-39492/1-A	Lab Control Sample	78	90										

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-21421-1
Project/Site: Select Energy-Red Tanks SDG: 22-0104-05

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-39493/1-A	Lab Control Sample	113	105
LCS 880-39499/1-A	Lab Control Sample	106	113
LCSD 880-39492/2-A	Lab Control Sample Dup	86	89
LCSD 880-39493/2-A	Lab Control Sample Dup	98	97
LCSD 880-39499/2-A	Lab Control Sample Dup	104	114
MB 880-39251/5-A	Method Blank	61 S1-	98
MB 880-39397/5-A	Method Blank	97	96
MB 880-39492/5-A	Method Blank	63 S1-	97
MB 880-39493/5-A	Method Blank	91	99
MB 880-39499/5-A	Method Blank	81	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-21421-1	S-13, 1'	110	101
880-21421-1 MS	S-13, 1'	91	80
880-21421-1 MSD	S-13, 1'	89	77
880-21421-2	S-13, 3'	107	99
880-21421-3	S-13, 5'	112	105
880-21421-4	S-12, 1'	122	113
880-21421-5	S-12, 3'	118	107
880-21421-6	S-12, 5'	108	97
880-21421-7	S-11, 1'	92	91
880-21421-8	S-11, 3'	92	89
880-21421-9	S-11, 5'	90	89
880-21421-10	S-10, 1'	89	88
880-21421-11	S-10, 3'	107	101
880-21421-12	S-10, 5'	96	93
880-21421-13	S-9, 1'	93	89
880-21421-14	S-9, 3'	110	104
880-21421-15	S-9, 5'	87	82
880-21421-16	S-8, 1'	87	85
880-21421-17	S-8, 3'	100	96
880-21421-18	S-8, 5'	101	96
880-21421-19	S-7, 1'	91	87
880-21421-20	S-7, 3'	94	89
880-21421-21	S-7, 5'	40 S1-	33 S1-
880-21421-21 MS	S-7, 5'	49 S1-	44 S1-
880-21421-21 MSD	S-7, 5'	44 S1-	38 S1-
880-21421-22	S-6, 1'	55 S1-	54 S1-
880-21421-23	S-6, 3'	56 S1-	56 S1-
880-21421-24	S-6, 5'	68 S1-	69 S1-
880-21421-25	S-5, 1'	95	105
880-21421-26	S-5, 3'	99	109

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-21421-1
Project/Site: Select Energy-Red Tanks SDG: 22-0104-05

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)
880-21421-27	S-5, 5'	81	93
880-21421-28	S-4, 1'	95	103
880-21421-29	S-4, 3'	84	92
880-21421-30	S-4, 5'	82	92
880-21421-31	S-3, 1'	80	90
880-21421-32	S-3, 3'	99	111
880-21421-33	S-3, 5'	82	93
880-21421-34	S-2, 1'	88	96
880-21421-35	S-2, 3'	83	83
880-21421-36	S-2, 5'	82	81
880-21421-37	S-1, 1'	101	94
880-21421-38	S-1, 3'	94	87
880-21421-39	S-1, 5'	88	88
880-21421-40	S-22, 1'	78	74
880-21421-41	S-22, 3'	122	146 S1+
880-21421-42	S-22, 5'	114	128
LCS 880-39299/2-A	Lab Control Sample	91	91
LCS 880-39314/2-A	Lab Control Sample	104	110
LCS 880-39316/2-A	Lab Control Sample	100	118
LCSD 880-39299/3-A	Lab Control Sample Dup	91	93
LCSD 880-39314/3-A	Lab Control Sample Dup	105	112
LCSD 880-39316/3-A	Lab Control Sample Dup	85	103
MB 880-39299/1-A	Method Blank	129	132 S1+
MB 880-39314/1-A	Method Blank	133 S1+	156 S1+
MB 880-39316/1-A	Method Blank	141 S1+	163 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-39251/5-A
Matrix: Solid
Analysis Batch: 39391

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39251

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 11:45	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/10/22 14:00	11/14/22 11:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 11:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/22 14:00	11/14/22 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*11/10/22 14:00*	*11/14/22 11:45*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 14:00*	*11/14/22 11:45*	*1*

Lab Sample ID: MB 880-39397/5-A
Matrix: Solid
Analysis Batch: 39394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39397

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/22 09:17	11/14/22 11:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 09:17	11/14/22 11:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 09:17	11/14/22 11:38	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/14/22 09:17	11/14/22 11:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 09:17	11/14/22 11:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 09:17	11/14/22 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*11/14/22 09:17*	*11/14/22 11:38*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*11/14/22 09:17*	*11/14/22 11:38*	*1*

Lab Sample ID: MB 880-39492/5-A
Matrix: Solid
Analysis Batch: 39391

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39492

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 01:15	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/14/22 13:29	11/15/22 01:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:29	11/15/22 01:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 13:29	11/15/22 01:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*11/14/22 13:29*	*11/15/22 01:15*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/14/22 13:29*	*11/15/22 01:15*	*1*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

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

Lab Sample ID: LCS 880-39492/1-A
Matrix: Solid
Analysis Batch: 39391

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39492

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07202		mg/Kg		72	70 - 130		
Toluene			0.100	0.07755		mg/Kg		78	70 - 130		
Ethylbenzene			0.100	0.07966		mg/Kg		80	70 - 130		
m,p-Xylenes			0.200	0.1752		mg/Kg		88	70 - 130		
o-Xylene			0.100	0.08496		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-39492/2-A
Matrix: Solid
Analysis Batch: 39391

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39492

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.06170	*-	mg/Kg		62	70 - 130	15	35
Toluene			0.100	0.07676		mg/Kg		77	70 - 130	1	35
Ethylbenzene			0.100	0.07206		mg/Kg		72	70 - 130	10	35
m,p-Xylenes			0.200	0.1603		mg/Kg		80	70 - 130	9	35
o-Xylene			0.100	0.08278		mg/Kg		83	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-21421-1 MS
Matrix: Solid
Analysis Batch: 39391

Client Sample ID: S-13, 1'
Prep Type: Total/NA
Prep Batch: 39492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U *-	0.0998	0.09667		mg/Kg		97	70 - 130		
Toluene	<0.00200	U	0.0998	0.1096		mg/Kg		110	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.1048		mg/Kg		105	70 - 130		
m,p-Xylenes	<0.00401	U	0.200	0.2328		mg/Kg		117	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.1174		mg/Kg		118	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-21421-1 MSD
Matrix: Solid
Analysis Batch: 39391

Client Sample ID: S-13, 1'
Prep Type: Total/NA
Prep Batch: 39492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *-	0.0990	0.08399		mg/Kg		85	70 - 130	14	35
Toluene	<0.00200	U	0.0990	0.09596		mg/Kg		97	70 - 130	13	35
Ethylbenzene	<0.00200	U	0.0990	0.09145		mg/Kg		92	70 - 130	14	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

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

Lab Sample ID: 880-21421-1 MSD — **Client Sample ID: S-13, 1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39391 — **Prep Batch: 39492**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	<0.00401	U	0.198	0.2014		mg/Kg		102	70 - 130	14	35
o-Xylene	<0.00200	U	0.0990	0.1020		mg/Kg		103	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 880-39493/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39394 — **Prep Batch: 39493**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/14/22 22:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/14/22 22:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/14/22 22:48	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/14/22 13:37	11/14/22 22:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:37	11/14/22 22:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 13:37	11/14/22 22:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*11/14/22 13:37*	*11/14/22 22:48*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/14/22 13:37*	*11/14/22 22:48*	*1*

Lab Sample ID: LCS 880-39493/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39394 — **Prep Batch: 39493**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07741		mg/Kg		77	70 - 130		
Toluene			0.100	0.09551		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.1240		mg/Kg		124	70 - 130		
m,p-Xylenes			0.200	0.2502		mg/Kg		125	70 - 130		
o-Xylene			0.100	0.1397	*+	mg/Kg		140	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-39493/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39394 — **Prep Batch: 39493**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08694		mg/Kg		87	70 - 130	12	35
Toluene			0.100	0.09020		mg/Kg		90	70 - 130	6	35
Ethylbenzene			0.100	0.09273		mg/Kg		93	70 - 130	29	35
m,p-Xylenes			0.200	0.1862		mg/Kg		93	70 - 130	29	35
o-Xylene			0.100	0.1073		mg/Kg		107	70 - 130	26	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-21421-21 MS — **Client Sample ID: S-7, 5'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39394 — **Prep Batch: 39493**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.09633		mg/Kg		96	70 - 130
Toluene	<0.00202	U	0.100	0.09340		mg/Kg		93	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.09052		mg/Kg		90	70 - 130
m,p-Xylenes	<0.00403	U	0.200	0.1733		mg/Kg		86	70 - 130
o-Xylene	<0.00202	U *+	0.100	0.09845		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-21421-21 MSD — **Client Sample ID: S-7, 5'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39394 — **Prep Batch: 39493**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0996	0.09203		mg/Kg		92	70 - 130	5	35
Toluene	<0.00202	U	0.0996	0.09169		mg/Kg		92	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.0996	0.08713		mg/Kg		87	70 - 130	4	35
m,p-Xylenes	<0.00403	U	0.199	0.1650		mg/Kg		83	70 - 130	5	35
o-Xylene	<0.00202	U *+	0.0996	0.09320		mg/Kg		94	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-39499/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 39575 — **Prep Batch: 39499**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:45	11/15/22 10:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:45	11/15/22 10:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:45	11/15/22 10:39	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/14/22 13:45	11/15/22 10:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 13:45	11/15/22 10:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 13:45	11/15/22 10:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	11/14/22 13:45	11/15/22 10:39	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/14/22 13:45	11/15/22 10:39	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

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

Lab Sample ID: LCS 880-39499/1-A
Matrix: Solid
Analysis Batch: 39575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39499

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1063		mg/Kg		106	70 - 130		
Toluene			0.100	0.09516		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.09661		mg/Kg		97	70 - 130		
m,p-Xylenes			0.200	0.2040		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.1010		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-39499/2-A
Matrix: Solid
Analysis Batch: 39575

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39499

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1078		mg/Kg		108	70 - 130	1	35
Toluene			0.100	0.09311		mg/Kg		93	70 - 130	2	35
Ethylbenzene			0.100	0.09402		mg/Kg		94	70 - 130	3	35
m,p-Xylenes			0.200	0.1961		mg/Kg		98	70 - 130	4	35
o-Xylene			0.100	0.09679		mg/Kg		97	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: 880-21421-41 MS
Matrix: Solid
Analysis Batch: 39575

Client Sample ID: S-22, 3'
Prep Type: Total/NA
Prep Batch: 39499

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08441		mg/Kg		84	70 - 130		
Toluene	<0.00200	U	0.100	0.08589		mg/Kg		86	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.08194		mg/Kg		82	70 - 130		
m,p-Xylenes	<0.00401	U	0.200	0.1657		mg/Kg		83	70 - 130		
o-Xylene	<0.00200	U	0.100	0.08082		mg/Kg		81	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*

Lab Sample ID: 880-21421-41 MSD
Matrix: Solid
Analysis Batch: 39575

Client Sample ID: S-22, 3'
Prep Type: Total/NA
Prep Batch: 39499

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.1033		mg/Kg		103	70 - 130	20	35
Toluene	<0.00200	U	0.0998	0.08823		mg/Kg		88	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.0998	0.08607		mg/Kg		86	70 - 130	5	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

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

Lab Sample ID: 880-21421-41 MSD
Matrix: Solid
Analysis Batch: 39575

Client Sample ID: S-22, 3'
Prep Type: Total/NA
Prep Batch: 39499

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	<0.00401	U	0.200	0.1755		mg/Kg		88	70 - 130	6	35
o-Xylene	<0.00200	U	0.0998	0.08581		mg/Kg		86	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

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

Lab Sample ID: MB 880-39299/1-A
Matrix: Solid
Analysis Batch: 39364

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39299

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		11/11/22 09:37	11/12/22 08:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 08:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 09:37	11/12/22 08:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*129*		*70 - 130*	*11/11/22 09:37*	*11/12/22 08:51*	*1*
o-Terphenyl (Surr)	*132*	*S1+*	*70 - 130*	*11/11/22 09:37*	*11/12/22 08:51*	*1*

Lab Sample ID: LCS 880-39299/2-A
Matrix: Solid
Analysis Batch: 39364

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39299

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	855.3		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	908.0		mg/Kg		91	70 - 130		

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

Lab Sample ID: LCSD 880-39299/3-A
Matrix: Solid
Analysis Batch: 39364

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39299

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	887.6		mg/Kg		89	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	937.1		mg/Kg		94	70 - 130	3	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

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

Lab Sample ID: LCSD 880-39299/3-A
Matrix: Solid
Analysis Batch: 39364

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39299

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*91*		*70 - 130*
o-Terphenyl (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-21421-1 MS
Matrix: Solid
Analysis Batch: 39364

Client Sample ID: S-13, 1'
Prep Type: Total/NA
Prep Batch: 39299

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	881.6		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1063		mg/Kg		107	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*91*		*70 - 130*
o-Terphenyl (Surr)	*80*		*70 - 130*

Lab Sample ID: 880-21421-1 MSD
Matrix: Solid
Analysis Batch: 39364

Client Sample ID: S-13, 1'
Prep Type: Total/NA
Prep Batch: 39299

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	887.0		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1046		mg/Kg		105	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*89*		*70 - 130*
o-Terphenyl (Surr)	*77*		*70 - 130*

Lab Sample ID: MB 880-39314/1-A
Matrix: Solid
Analysis Batch: 39373

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39314

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		11/11/22 10:23	11/13/22 20:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 10:23	11/13/22 20:21	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:23	11/13/22 20:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*133*	*S1+*	*70 - 130*	*11/11/22 10:23*	*11/13/22 20:21*	*1*
o-Terphenyl (Surr)	*156*	*S1+*	*70 - 130*	*11/11/22 10:23*	*11/13/22 20:21*	*1*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

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

Lab Sample ID: LCS 880-39314/2-A
Matrix: Solid
Analysis Batch: 39373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39314

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1018		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1131		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-39314/3-A
Matrix: Solid
Analysis Batch: 39373

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39314

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1031		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1133		mg/Kg		113	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*105*		*70 - 130*
o-Terphenyl (Surr)	*112*		*70 - 130*

Lab Sample ID: MB 880-39316/1-A
Matrix: Solid
Analysis Batch: 39377

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39316

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		11/11/22 10:27	11/13/22 20:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/13/22 20:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:27	11/13/22 20:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*141*	*S1+*	*70 - 130*	*11/11/22 10:27*	*11/13/22 20:38*	*1*
o-Terphenyl (Surr)	*163*	*S1+*	*70 - 130*	*11/11/22 10:27*	*11/13/22 20:38*	*1*

Lab Sample ID: LCS 880-39316/2-A
Matrix: Solid
Analysis Batch: 39377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39316

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1191		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	875.7		mg/Kg		88	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

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

Lab Sample ID: LCS 880-39316/2-A
Matrix: Solid
Analysis Batch: 39377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39316

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	100		70 - 130
o-Terphenyl (Surr)	118		70 - 130

Lab Sample ID: LCSD 880-39316/3-A
Matrix: Solid
Analysis Batch: 39377

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39316

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	851.8	*1	mg/Kg		85	70 - 130	33	20
Diesel Range Organics (Over C10-C28)			1000	757.6		mg/Kg		76	70 - 130	14	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	85		70 - 130
o-Terphenyl (Surr)	103		70 - 130

Lab Sample ID: 880-21421-21 MS
Matrix: Solid
Analysis Batch: 39377

Client Sample ID: S-7, 5'
Prep Type: Total/NA
Prep Batch: 39316

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 *1 F1	997	660.8	F1	mg/Kg		65	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	552.4	F1	mg/Kg		55	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	49	S1-	70 - 130
o-Terphenyl (Surr)	44	S1-	70 - 130

Lab Sample ID: 880-21421-21 MSD
Matrix: Solid
Analysis Batch: 39377

Client Sample ID: S-7, 5'
Prep Type: Total/NA
Prep Batch: 39316

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 *1 F1	999	551.6	F1	mg/Kg		53	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	497.9	F1	mg/Kg		50	70 - 130	10	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	44	S1-	70 - 130
o-Terphenyl (Surr)	38	S1-	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-39450/1-A
Matrix: Solid
Analysis Batch: 39643

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			11/16/22 04:44	1

Lab Sample ID: LCS 880-39450/2-A
Matrix: Solid
Analysis Batch: 39643

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	267.7		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-39450/3-A
Matrix: Solid
Analysis Batch: 39643

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	266.4		mg/Kg		107	90 - 110	0	20

Lab Sample ID: MB 880-39451/1-A
Matrix: Solid
Analysis Batch: 39651

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			11/15/22 21:35	1

Lab Sample ID: LCS 880-39451/2-A
Matrix: Solid
Analysis Batch: 39651

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	273.9		mg/Kg		110	90 - 110		

Lab Sample ID: LCSD 880-39451/3-A
Matrix: Solid
Analysis Batch: 39651

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	269.0		mg/Kg		108	90 - 110	2	20

Lab Sample ID: 880-21421-1 MS
Matrix: Solid
Analysis Batch: 39651

Client Sample ID: S-13, 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	31.1		253	305.1		mg/Kg		109	90 - 110		

Lab Sample ID: 880-21421-1 MSD
Matrix: Solid
Analysis Batch: 39651

Client Sample ID: S-13, 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31.1		253	296.4		mg/Kg		105	90 - 110	3	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-21421-11 MS
Matrix: Solid
Analysis Batch: 39651

Client Sample ID: S-10, 3'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	51.3		251	297.9		mg/Kg		98	90 - 110

Lab Sample ID: 880-21421-11 MSD
Matrix: Solid
Analysis Batch: 39651

Client Sample ID: S-10, 3'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	51.3		251	305.9		mg/Kg		102	90 - 110	3	20

Lab Sample ID: MB 880-39452/1-A
Matrix: Solid
Analysis Batch: 39652

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			11/16/22 01:45	1

Lab Sample ID: LCS 880-39452/2-A
Matrix: Solid
Analysis Batch: 39652

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	264.2		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-39452/3-A
Matrix: Solid
Analysis Batch: 39652

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	260.2		mg/Kg		104	90 - 110	2	20

Lab Sample ID: 880-21421-21 MS
Matrix: Solid
Analysis Batch: 39652

Client Sample ID: S-7, 5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	14.8	F1	253	284.9		mg/Kg		107	90 - 110

Lab Sample ID: 880-21421-21 MSD
Matrix: Solid
Analysis Batch: 39652

Client Sample ID: S-7, 5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14.8	F1	253	321.0	F1	mg/Kg		121	90 - 110	12	20

Lab Sample ID: 880-21421-31 MS
Matrix: Solid
Analysis Batch: 39652

Client Sample ID: S-3, 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	26.9	F1	253	310.6	F1	mg/Kg		112	90 - 110

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-21421-31 MSD
Matrix: Solid
Analysis Batch: 39652

Client Sample ID: S-3, 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	26.9	F1	253	291.4		mg/Kg		105	90 - 110	6	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

GC VOA

Prep Batch: 39251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39251/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 39391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-1	S-13, 1'	Total/NA	Solid	8021B	39492
880-21421-2	S-13, 3'	Total/NA	Solid	8021B	39492
880-21421-3	S-13, 5'	Total/NA	Solid	8021B	39492
880-21421-4	S-12, 1'	Total/NA	Solid	8021B	39492
880-21421-5	S-12, 3'	Total/NA	Solid	8021B	39492
880-21421-6	S-12, 5'	Total/NA	Solid	8021B	39492
880-21421-7	S-11, 1'	Total/NA	Solid	8021B	39492
880-21421-8	S-11, 3'	Total/NA	Solid	8021B	39492
880-21421-9	S-11, 5'	Total/NA	Solid	8021B	39492
880-21421-10	S-10, 1'	Total/NA	Solid	8021B	39492
880-21421-11	S-10, 3'	Total/NA	Solid	8021B	39492
880-21421-12	S-10, 5'	Total/NA	Solid	8021B	39492
880-21421-13	S-9, 1'	Total/NA	Solid	8021B	39492
880-21421-14	S-9, 3'	Total/NA	Solid	8021B	39492
880-21421-15	S-9, 5'	Total/NA	Solid	8021B	39492
880-21421-16	S-8, 1'	Total/NA	Solid	8021B	39492
880-21421-17	S-8, 3'	Total/NA	Solid	8021B	39492
880-21421-18	S-8, 5'	Total/NA	Solid	8021B	39492
880-21421-19	S-7, 1'	Total/NA	Solid	8021B	39492
880-21421-20	S-7, 3'	Total/NA	Solid	8021B	39492
MB 880-39251/5-A	Method Blank	Total/NA	Solid	8021B	39251
MB 880-39492/5-A	Method Blank	Total/NA	Solid	8021B	39492
LCS 880-39492/1-A	Lab Control Sample	Total/NA	Solid	8021B	39492
LCSD 880-39492/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39492
880-21421-1 MS	S-13, 1'	Total/NA	Solid	8021B	39492
880-21421-1 MSD	S-13, 1'	Total/NA	Solid	8021B	39492

Analysis Batch: 39394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-21	S-7, 5'	Total/NA	Solid	8021B	39493
880-21421-22	S-6, 1'	Total/NA	Solid	8021B	39493
880-21421-23	S-6, 3'	Total/NA	Solid	8021B	39493
880-21421-24	S-6, 5'	Total/NA	Solid	8021B	39493
880-21421-25	S-5, 1'	Total/NA	Solid	8021B	39493
880-21421-26	S-5, 3'	Total/NA	Solid	8021B	39493
880-21421-27	S-5, 5'	Total/NA	Solid	8021B	39493
880-21421-28	S-4, 1'	Total/NA	Solid	8021B	39493
880-21421-29	S-4, 3'	Total/NA	Solid	8021B	39493
880-21421-30	S-4, 5'	Total/NA	Solid	8021B	39493
880-21421-31	S-3, 1'	Total/NA	Solid	8021B	39493
880-21421-32	S-3, 3'	Total/NA	Solid	8021B	39493
880-21421-33	S-3, 5'	Total/NA	Solid	8021B	39493
880-21421-34	S-2, 1'	Total/NA	Solid	8021B	39493
880-21421-35	S-2, 3'	Total/NA	Solid	8021B	39493
880-21421-36	S-2, 5'	Total/NA	Solid	8021B	39493
880-21421-37	S-1, 1'	Total/NA	Solid	8021B	39493
880-21421-38	S-1, 3'	Total/NA	Solid	8021B	39493

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

GC VOA (Continued)

Analysis Batch: 39394 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-39	S-1, 5'	Total/NA	Solid	8021B	39493
880-21421-40	S-22, 1'	Total/NA	Solid	8021B	39493
MB 880-39397/5-A	Method Blank	Total/NA	Solid	8021B	39397
MB 880-39493/5-A	Method Blank	Total/NA	Solid	8021B	39493
LCS 880-39493/1-A	Lab Control Sample	Total/NA	Solid	8021B	39493
LCSD 880-39493/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39493
880-21421-21 MS	S-7, 5'	Total/NA	Solid	8021B	39493
880-21421-21 MSD	S-7, 5'	Total/NA	Solid	8021B	39493

Prep Batch: 39397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39397/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 39492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-1	S-13, 1'	Total/NA	Solid	5035	
880-21421-2	S-13, 3'	Total/NA	Solid	5035	
880-21421-3	S-13, 5'	Total/NA	Solid	5035	
880-21421-4	S-12, 1'	Total/NA	Solid	5035	
880-21421-5	S-12, 3'	Total/NA	Solid	5035	
880-21421-6	S-12, 5'	Total/NA	Solid	5035	
880-21421-7	S-11, 1'	Total/NA	Solid	5035	
880-21421-8	S-11, 3'	Total/NA	Solid	5035	
880-21421-9	S-11, 5'	Total/NA	Solid	5035	
880-21421-10	S-10, 1'	Total/NA	Solid	5035	
880-21421-11	S-10, 3'	Total/NA	Solid	5035	
880-21421-12	S-10, 5'	Total/NA	Solid	5035	
880-21421-13	S-9, 1'	Total/NA	Solid	5035	
880-21421-14	S-9, 3'	Total/NA	Solid	5035	
880-21421-15	S-9, 5'	Total/NA	Solid	5035	
880-21421-16	S-8, 1'	Total/NA	Solid	5035	
880-21421-17	S-8, 3'	Total/NA	Solid	5035	
880-21421-18	S-8, 5'	Total/NA	Solid	5035	
880-21421-19	S-7, 1'	Total/NA	Solid	5035	
880-21421-20	S-7, 3'	Total/NA	Solid	5035	
MB 880-39492/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39492/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39492/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21421-1 MS	S-13, 1'	Total/NA	Solid	5035	
880-21421-1 MSD	S-13, 1'	Total/NA	Solid	5035	

Prep Batch: 39493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-21	S-7, 5'	Total/NA	Solid	5035	
880-21421-22	S-6, 1'	Total/NA	Solid	5035	
880-21421-23	S-6, 3'	Total/NA	Solid	5035	
880-21421-24	S-6, 5'	Total/NA	Solid	5035	
880-21421-25	S-5, 1'	Total/NA	Solid	5035	
880-21421-26	S-5, 3'	Total/NA	Solid	5035	
880-21421-27	S-5, 5'	Total/NA	Solid	5035	
880-21421-28	S-4, 1'	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

GC VOA (Continued)

Prep Batch: 39493 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-29	S-4, 3'	Total/NA	Solid	5035	
880-21421-30	S-4, 5'	Total/NA	Solid	5035	
880-21421-31	S-3, 1'	Total/NA	Solid	5035	
880-21421-32	S-3, 3'	Total/NA	Solid	5035	
880-21421-33	S-3, 5'	Total/NA	Solid	5035	
880-21421-34	S-2, 1'	Total/NA	Solid	5035	
880-21421-35	S-2, 3'	Total/NA	Solid	5035	
880-21421-36	S-2, 5'	Total/NA	Solid	5035	
880-21421-37	S-1, 1'	Total/NA	Solid	5035	
880-21421-38	S-1, 3'	Total/NA	Solid	5035	
880-21421-39	S-1, 5'	Total/NA	Solid	5035	
880-21421-40	S-22, 1'	Total/NA	Solid	5035	
MB 880-39493/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39493/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39493/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21421-21 MS	S-7, 5'	Total/NA	Solid	5035	
880-21421-21 MSD	S-7, 5'	Total/NA	Solid	5035	

Prep Batch: 39499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-41	S-22, 3'	Total/NA	Solid	5035	
880-21421-42	S-22, 5'	Total/NA	Solid	5035	
MB 880-39499/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39499/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39499/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21421-41 MS	S-22, 3'	Total/NA	Solid	5035	
880-21421-41 MSD	S-22, 3'	Total/NA	Solid	5035	

Analysis Batch: 39575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-41	S-22, 3'	Total/NA	Solid	8021B	39499
880-21421-42	S-22, 5'	Total/NA	Solid	8021B	39499
MB 880-39499/5-A	Method Blank	Total/NA	Solid	8021B	39499
LCS 880-39499/1-A	Lab Control Sample	Total/NA	Solid	8021B	39499
LCSD 880-39499/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39499
880-21421-41 MS	S-22, 3'	Total/NA	Solid	8021B	39499
880-21421-41 MSD	S-22, 3'	Total/NA	Solid	8021B	39499

Analysis Batch: 39606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-1	S-13, 1'	Total/NA	Solid	Total BTEX	
880-21421-2	S-13, 3'	Total/NA	Solid	Total BTEX	
880-21421-3	S-13, 5'	Total/NA	Solid	Total BTEX	
880-21421-4	S-12, 1'	Total/NA	Solid	Total BTEX	
880-21421-5	S-12, 3'	Total/NA	Solid	Total BTEX	
880-21421-6	S-12, 5'	Total/NA	Solid	Total BTEX	
880-21421-7	S-11, 1'	Total/NA	Solid	Total BTEX	
880-21421-8	S-11, 3'	Total/NA	Solid	Total BTEX	
880-21421-9	S-11, 5'	Total/NA	Solid	Total BTEX	
880-21421-10	S-10, 1'	Total/NA	Solid	Total BTEX	
880-21421-11	S-10, 3'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

GC VOA (Continued)

Analysis Batch: 39606 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-12	S-10, 5'	Total/NA	Solid	Total BTEX	
880-21421-13	S-9, 1'	Total/NA	Solid	Total BTEX	
880-21421-14	S-9, 3'	Total/NA	Solid	Total BTEX	
880-21421-15	S-9, 5'	Total/NA	Solid	Total BTEX	
880-21421-16	S-8, 1'	Total/NA	Solid	Total BTEX	
880-21421-17	S-8, 3'	Total/NA	Solid	Total BTEX	
880-21421-18	S-8, 5'	Total/NA	Solid	Total BTEX	
880-21421-19	S-7, 1'	Total/NA	Solid	Total BTEX	
880-21421-20	S-7, 3'	Total/NA	Solid	Total BTEX	
880-21421-21	S-7, 5'	Total/NA	Solid	Total BTEX	
880-21421-22	S-6, 1'	Total/NA	Solid	Total BTEX	
880-21421-23	S-6, 3'	Total/NA	Solid	Total BTEX	
880-21421-24	S-6, 5'	Total/NA	Solid	Total BTEX	
880-21421-25	S-5, 1'	Total/NA	Solid	Total BTEX	
880-21421-26	S-5, 3'	Total/NA	Solid	Total BTEX	
880-21421-27	S-5, 5'	Total/NA	Solid	Total BTEX	
880-21421-28	S-4, 1'	Total/NA	Solid	Total BTEX	
880-21421-29	S-4, 3'	Total/NA	Solid	Total BTEX	
880-21421-30	S-4, 5'	Total/NA	Solid	Total BTEX	
880-21421-31	S-3, 1'	Total/NA	Solid	Total BTEX	
880-21421-32	S-3, 3'	Total/NA	Solid	Total BTEX	
880-21421-33	S-3, 5'	Total/NA	Solid	Total BTEX	
880-21421-34	S-2, 1'	Total/NA	Solid	Total BTEX	
880-21421-35	S-2, 3'	Total/NA	Solid	Total BTEX	
880-21421-36	S-2, 5'	Total/NA	Solid	Total BTEX	
880-21421-37	S-1, 1'	Total/NA	Solid	Total BTEX	
880-21421-38	S-1, 3'	Total/NA	Solid	Total BTEX	
880-21421-39	S-1, 5'	Total/NA	Solid	Total BTEX	
880-21421-40	S-22, 1'	Total/NA	Solid	Total BTEX	
880-21421-41	S-22, 3'	Total/NA	Solid	Total BTEX	
880-21421-42	S-22, 5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 39299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-1	S-13, 1'	Total/NA	Solid	8015NM Prep	
880-21421-2	S-13, 3'	Total/NA	Solid	8015NM Prep	
880-21421-3	S-13, 5'	Total/NA	Solid	8015NM Prep	
880-21421-4	S-12, 1'	Total/NA	Solid	8015NM Prep	
880-21421-5	S-12, 3'	Total/NA	Solid	8015NM Prep	
880-21421-6	S-12, 5'	Total/NA	Solid	8015NM Prep	
880-21421-7	S-11, 1'	Total/NA	Solid	8015NM Prep	
880-21421-8	S-11, 3'	Total/NA	Solid	8015NM Prep	
880-21421-9	S-11, 5'	Total/NA	Solid	8015NM Prep	
880-21421-10	S-10, 1'	Total/NA	Solid	8015NM Prep	
880-21421-11	S-10, 3'	Total/NA	Solid	8015NM Prep	
880-21421-12	S-10, 5'	Total/NA	Solid	8015NM Prep	
880-21421-13	S-9, 1'	Total/NA	Solid	8015NM Prep	
880-21421-14	S-9, 3'	Total/NA	Solid	8015NM Prep	
880-21421-15	S-9, 5'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

GC Semi VOA (Continued)

Prep Batch: 39299 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-16	S-8, 1'	Total/NA	Solid	8015NM Prep	
880-21421-17	S-8, 3'	Total/NA	Solid	8015NM Prep	
880-21421-18	S-8, 5'	Total/NA	Solid	8015NM Prep	
880-21421-19	S-7, 1'	Total/NA	Solid	8015NM Prep	
880-21421-20	S-7, 3'	Total/NA	Solid	8015NM Prep	
MB 880-39299/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39299/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39299/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21421-1 MS	S-13, 1'	Total/NA	Solid	8015NM Prep	
880-21421-1 MSD	S-13, 1'	Total/NA	Solid	8015NM Prep	

Prep Batch: 39314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-41	S-22, 3'	Total/NA	Solid	8015NM Prep	
880-21421-42	S-22, 5'	Total/NA	Solid	8015NM Prep	
MB 880-39314/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39314/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39314/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 39316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-21	S-7, 5'	Total/NA	Solid	8015NM Prep	
880-21421-22	S-6, 1'	Total/NA	Solid	8015NM Prep	
880-21421-23	S-6, 3'	Total/NA	Solid	8015NM Prep	
880-21421-24	S-6, 5'	Total/NA	Solid	8015NM Prep	
880-21421-25	S-5, 1'	Total/NA	Solid	8015NM Prep	
880-21421-26	S-5, 3'	Total/NA	Solid	8015NM Prep	
880-21421-27	S-5, 5'	Total/NA	Solid	8015NM Prep	
880-21421-28	S-4, 1'	Total/NA	Solid	8015NM Prep	
880-21421-29	S-4, 3'	Total/NA	Solid	8015NM Prep	
880-21421-30	S-4, 5'	Total/NA	Solid	8015NM Prep	
880-21421-31	S-3, 1'	Total/NA	Solid	8015NM Prep	
880-21421-32	S-3, 3'	Total/NA	Solid	8015NM Prep	
880-21421-33	S-3, 5'	Total/NA	Solid	8015NM Prep	
880-21421-34	S-2, 1'	Total/NA	Solid	8015NM Prep	
880-21421-35	S-2, 3'	Total/NA	Solid	8015NM Prep	
880-21421-36	S-2, 5'	Total/NA	Solid	8015NM Prep	
880-21421-37	S-1, 1'	Total/NA	Solid	8015NM Prep	
880-21421-38	S-1, 3'	Total/NA	Solid	8015NM Prep	
880-21421-39	S-1, 5'	Total/NA	Solid	8015NM Prep	
880-21421-40	S-22, 1'	Total/NA	Solid	8015NM Prep	
MB 880-39316/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39316/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39316/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21421-21 MS	S-7, 5'	Total/NA	Solid	8015NM Prep	
880-21421-21 MSD	S-7, 5'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 39364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-1	S-13, 1'	Total/NA	Solid	8015B NM	39299
880-21421-2	S-13, 3'	Total/NA	Solid	8015B NM	39299

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

GC Semi VOA (Continued)

Analysis Batch: 39364 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-3	S-13, 5'	Total/NA	Solid	8015B NM	39299
880-21421-4	S-12, 1'	Total/NA	Solid	8015B NM	39299
880-21421-5	S-12, 3'	Total/NA	Solid	8015B NM	39299
880-21421-6	S-12, 5'	Total/NA	Solid	8015B NM	39299
880-21421-7	S-11, 1'	Total/NA	Solid	8015B NM	39299
880-21421-8	S-11, 3'	Total/NA	Solid	8015B NM	39299
880-21421-9	S-11, 5'	Total/NA	Solid	8015B NM	39299
880-21421-10	S-10, 1'	Total/NA	Solid	8015B NM	39299
880-21421-11	S-10, 3'	Total/NA	Solid	8015B NM	39299
880-21421-12	S-10, 5'	Total/NA	Solid	8015B NM	39299
880-21421-13	S-9, 1'	Total/NA	Solid	8015B NM	39299
880-21421-14	S-9, 3'	Total/NA	Solid	8015B NM	39299
880-21421-15	S-9, 5'	Total/NA	Solid	8015B NM	39299
880-21421-16	S-8, 1'	Total/NA	Solid	8015B NM	39299
880-21421-17	S-8, 3'	Total/NA	Solid	8015B NM	39299
880-21421-18	S-8, 5'	Total/NA	Solid	8015B NM	39299
880-21421-19	S-7, 1'	Total/NA	Solid	8015B NM	39299
880-21421-20	S-7, 3'	Total/NA	Solid	8015B NM	39299
MB 880-39299/1-A	Method Blank	Total/NA	Solid	8015B NM	39299
LCS 880-39299/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39299
LCSD 880-39299/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39299
880-21421-1 MS	S-13, 1'	Total/NA	Solid	8015B NM	39299
880-21421-1 MSD	S-13, 1'	Total/NA	Solid	8015B NM	39299

Analysis Batch: 39373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-41	S-22, 3'	Total/NA	Solid	8015B NM	39314
880-21421-42	S-22, 5'	Total/NA	Solid	8015B NM	39314
MB 880-39314/1-A	Method Blank	Total/NA	Solid	8015B NM	39314
LCS 880-39314/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39314
LCSD 880-39314/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39314

Analysis Batch: 39375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-35	S-2, 3'	Total/NA	Solid	8015B NM	39316
880-21421-36	S-2, 5'	Total/NA	Solid	8015B NM	39316
880-21421-37	S-1, 1'	Total/NA	Solid	8015B NM	39316
880-21421-38	S-1, 3'	Total/NA	Solid	8015B NM	39316
880-21421-39	S-1, 5'	Total/NA	Solid	8015B NM	39316
880-21421-40	S-22, 1'	Total/NA	Solid	8015B NM	39316

Analysis Batch: 39377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-21	S-7, 5'	Total/NA	Solid	8015B NM	39316
880-21421-22	S-6, 1'	Total/NA	Solid	8015B NM	39316
880-21421-23	S-6, 3'	Total/NA	Solid	8015B NM	39316
880-21421-24	S-6, 5'	Total/NA	Solid	8015B NM	39316
880-21421-25	S-5, 1'	Total/NA	Solid	8015B NM	39316
880-21421-26	S-5, 3'	Total/NA	Solid	8015B NM	39316
880-21421-27	S-5, 5'	Total/NA	Solid	8015B NM	39316
880-21421-28	S-4, 1'	Total/NA	Solid	8015B NM	39316

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

GC Semi VOA (Continued)

Analysis Batch: 39377 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-29	S-4, 3'	Total/NA	Solid	8015B NM	39316
880-21421-30	S-4, 5'	Total/NA	Solid	8015B NM	39316
880-21421-31	S-3, 1'	Total/NA	Solid	8015B NM	39316
880-21421-32	S-3, 3'	Total/NA	Solid	8015B NM	39316
880-21421-33	S-3, 5'	Total/NA	Solid	8015B NM	39316
880-21421-34	S-2, 1'	Total/NA	Solid	8015B NM	39316
MB 880-39316/1-A	Method Blank	Total/NA	Solid	8015B NM	39316
LCS 880-39316/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39316
LCSD 880-39316/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39316
880-21421-21 MS	S-7, 5'	Total/NA	Solid	8015B NM	39316
880-21421-21 MSD	S-7, 5'	Total/NA	Solid	8015B NM	39316

Analysis Batch: 39497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-1	S-13, 1'	Total/NA	Solid	8015 NM	
880-21421-2	S-13, 3'	Total/NA	Solid	8015 NM	
880-21421-3	S-13, 5'	Total/NA	Solid	8015 NM	
880-21421-4	S-12, 1'	Total/NA	Solid	8015 NM	
880-21421-5	S-12, 3'	Total/NA	Solid	8015 NM	
880-21421-6	S-12, 5'	Total/NA	Solid	8015 NM	
880-21421-7	S-11, 1'	Total/NA	Solid	8015 NM	
880-21421-8	S-11, 3'	Total/NA	Solid	8015 NM	
880-21421-9	S-11, 5'	Total/NA	Solid	8015 NM	
880-21421-10	S-10, 1'	Total/NA	Solid	8015 NM	
880-21421-11	S-10, 3'	Total/NA	Solid	8015 NM	
880-21421-12	S-10, 5'	Total/NA	Solid	8015 NM	
880-21421-13	S-9, 1'	Total/NA	Solid	8015 NM	
880-21421-14	S-9, 3'	Total/NA	Solid	8015 NM	
880-21421-15	S-9, 5'	Total/NA	Solid	8015 NM	
880-21421-16	S-8, 1'	Total/NA	Solid	8015 NM	
880-21421-17	S-8, 3'	Total/NA	Solid	8015 NM	
880-21421-18	S-8, 5'	Total/NA	Solid	8015 NM	
880-21421-19	S-7, 1'	Total/NA	Solid	8015 NM	
880-21421-20	S-7, 3'	Total/NA	Solid	8015 NM	
880-21421-21	S-7, 5'	Total/NA	Solid	8015 NM	
880-21421-22	S-6, 1'	Total/NA	Solid	8015 NM	
880-21421-23	S-6, 3'	Total/NA	Solid	8015 NM	
880-21421-24	S-6, 5'	Total/NA	Solid	8015 NM	
880-21421-25	S-5, 1'	Total/NA	Solid	8015 NM	
880-21421-26	S-5, 3'	Total/NA	Solid	8015 NM	
880-21421-27	S-5, 5'	Total/NA	Solid	8015 NM	
880-21421-28	S-4, 1'	Total/NA	Solid	8015 NM	
880-21421-29	S-4, 3'	Total/NA	Solid	8015 NM	
880-21421-30	S-4, 5'	Total/NA	Solid	8015 NM	
880-21421-31	S-3, 1'	Total/NA	Solid	8015 NM	
880-21421-32	S-3, 3'	Total/NA	Solid	8015 NM	
880-21421-33	S-3, 5'	Total/NA	Solid	8015 NM	
880-21421-34	S-2, 1'	Total/NA	Solid	8015 NM	
880-21421-35	S-2, 3'	Total/NA	Solid	8015 NM	
880-21421-36	S-2, 5'	Total/NA	Solid	8015 NM	
880-21421-37	S-1, 1'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

GC Semi VOA (Continued)

Analysis Batch: 39497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-38	S-1, 3'	Total/NA	Solid	8015 NM	
880-21421-39	S-1, 5'	Total/NA	Solid	8015 NM	
880-21421-40	S-22, 1'	Total/NA	Solid	8015 NM	
880-21421-41	S-22, 3'	Total/NA	Solid	8015 NM	
880-21421-42	S-22, 5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 39450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-41	S-22, 3'	Soluble	Solid	DI Leach	
880-21421-42	S-22, 5'	Soluble	Solid	DI Leach	
MB 880-39450/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39450/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39450/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 39451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-1	S-13, 1'	Soluble	Solid	DI Leach	
880-21421-2	S-13, 3'	Soluble	Solid	DI Leach	
880-21421-3	S-13, 5'	Soluble	Solid	DI Leach	
880-21421-4	S-12, 1'	Soluble	Solid	DI Leach	
880-21421-5	S-12, 3'	Soluble	Solid	DI Leach	
880-21421-6	S-12, 5'	Soluble	Solid	DI Leach	
880-21421-7	S-11, 1'	Soluble	Solid	DI Leach	
880-21421-8	S-11, 3'	Soluble	Solid	DI Leach	
880-21421-9	S-11, 5'	Soluble	Solid	DI Leach	
880-21421-10	S-10, 1'	Soluble	Solid	DI Leach	
880-21421-11	S-10, 3'	Soluble	Solid	DI Leach	
880-21421-12	S-10, 5'	Soluble	Solid	DI Leach	
880-21421-13	S-9, 1'	Soluble	Solid	DI Leach	
880-21421-14	S-9, 3'	Soluble	Solid	DI Leach	
880-21421-15	S-9, 5'	Soluble	Solid	DI Leach	
880-21421-16	S-8, 1'	Soluble	Solid	DI Leach	
880-21421-17	S-8, 3'	Soluble	Solid	DI Leach	
880-21421-18	S-8, 5'	Soluble	Solid	DI Leach	
880-21421-19	S-7, 1'	Soluble	Solid	DI Leach	
880-21421-20	S-7, 3'	Soluble	Solid	DI Leach	
MB 880-39451/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39451/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39451/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21421-1 MS	S-13, 1'	Soluble	Solid	DI Leach	
880-21421-1 MSD	S-13, 1'	Soluble	Solid	DI Leach	
880-21421-11 MS	S-10, 3'	Soluble	Solid	DI Leach	
880-21421-11 MSD	S-10, 3'	Soluble	Solid	DI Leach	

Leach Batch: 39452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-21	S-7, 5'	Soluble	Solid	DI Leach	
880-21421-22	S-6, 1'	Soluble	Solid	DI Leach	
880-21421-23	S-6, 3'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

HPLC/IC (Continued)

Leach Batch: 39452 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-24	S-6, 5'	Soluble	Solid	DI Leach	
880-21421-25	S-5, 1'	Soluble	Solid	DI Leach	
880-21421-26	S-5, 3'	Soluble	Solid	DI Leach	
880-21421-27	S-5, 5'	Soluble	Solid	DI Leach	
880-21421-28	S-4, 1'	Soluble	Solid	DI Leach	
880-21421-29	S-4, 3'	Soluble	Solid	DI Leach	
880-21421-30	S-4, 5'	Soluble	Solid	DI Leach	
880-21421-31	S-3, 1'	Soluble	Solid	DI Leach	
880-21421-32	S-3, 3'	Soluble	Solid	DI Leach	
880-21421-33	S-3, 5'	Soluble	Solid	DI Leach	
880-21421-34	S-2, 1'	Soluble	Solid	DI Leach	
880-21421-35	S-2, 3'	Soluble	Solid	DI Leach	
880-21421-36	S-2, 5'	Soluble	Solid	DI Leach	
880-21421-37	S-1, 1'	Soluble	Solid	DI Leach	
880-21421-38	S-1, 3'	Soluble	Solid	DI Leach	
880-21421-39	S-1, 5'	Soluble	Solid	DI Leach	
880-21421-40	S-22, 1'	Soluble	Solid	DI Leach	
MB 880-39452/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39452/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39452/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21421-21 MS	S-7, 5'	Soluble	Solid	DI Leach	
880-21421-21 MSD	S-7, 5'	Soluble	Solid	DI Leach	
880-21421-31 MS	S-3, 1'	Soluble	Solid	DI Leach	
880-21421-31 MSD	S-3, 1'	Soluble	Solid	DI Leach	

Analysis Batch: 39643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-41	S-22, 3'	Soluble	Solid	300.0	39450
880-21421-42	S-22, 5'	Soluble	Solid	300.0	39450
MB 880-39450/1-A	Method Blank	Soluble	Solid	300.0	39450
LCS 880-39450/2-A	Lab Control Sample	Soluble	Solid	300.0	39450
LCSD 880-39450/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39450

Analysis Batch: 39651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-1	S-13, 1'	Soluble	Solid	300.0	39451
880-21421-2	S-13, 3'	Soluble	Solid	300.0	39451
880-21421-3	S-13, 5'	Soluble	Solid	300.0	39451
880-21421-4	S-12, 1'	Soluble	Solid	300.0	39451
880-21421-5	S-12, 3'	Soluble	Solid	300.0	39451
880-21421-6	S-12, 5'	Soluble	Solid	300.0	39451
880-21421-7	S-11, 1'	Soluble	Solid	300.0	39451
880-21421-8	S-11, 3'	Soluble	Solid	300.0	39451
880-21421-9	S-11, 5'	Soluble	Solid	300.0	39451
880-21421-10	S-10, 1'	Soluble	Solid	300.0	39451
880-21421-11	S-10, 3'	Soluble	Solid	300.0	39451
880-21421-12	S-10, 5'	Soluble	Solid	300.0	39451
880-21421-13	S-9, 1'	Soluble	Solid	300.0	39451
880-21421-14	S-9, 3'	Soluble	Solid	300.0	39451
880-21421-15	S-9, 5'	Soluble	Solid	300.0	39451
880-21421-16	S-8, 1'	Soluble	Solid	300.0	39451

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

HPLC/IC (Continued)

Analysis Batch: 39651 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-17	S-8, 3'	Soluble	Solid	300.0	39451
880-21421-18	S-8, 5'	Soluble	Solid	300.0	39451
880-21421-19	S-7, 1'	Soluble	Solid	300.0	39451
880-21421-20	S-7, 3'	Soluble	Solid	300.0	39451
MB 880-39451/1-A	Method Blank	Soluble	Solid	300.0	39451
LCS 880-39451/2-A	Lab Control Sample	Soluble	Solid	300.0	39451
LCSD 880-39451/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39451
880-21421-1 MS	S-13, 1'	Soluble	Solid	300.0	39451
880-21421-1 MSD	S-13, 1'	Soluble	Solid	300.0	39451
880-21421-11 MS	S-10, 3'	Soluble	Solid	300.0	39451
880-21421-11 MSD	S-10, 3'	Soluble	Solid	300.0	39451

Analysis Batch: 39652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21421-21	S-7, 5'	Soluble	Solid	300.0	39452
880-21421-22	S-6, 1'	Soluble	Solid	300.0	39452
880-21421-23	S-6, 3'	Soluble	Solid	300.0	39452
880-21421-24	S-6, 5'	Soluble	Solid	300.0	39452
880-21421-25	S-5, 1'	Soluble	Solid	300.0	39452
880-21421-26	S-5, 3'	Soluble	Solid	300.0	39452
880-21421-27	S-5, 5'	Soluble	Solid	300.0	39452
880-21421-28	S-4, 1'	Soluble	Solid	300.0	39452
880-21421-29	S-4, 3'	Soluble	Solid	300.0	39452
880-21421-30	S-4, 5'	Soluble	Solid	300.0	39452
880-21421-31	S-3, 1'	Soluble	Solid	300.0	39452
880-21421-32	S-3, 3'	Soluble	Solid	300.0	39452
880-21421-33	S-3, 5'	Soluble	Solid	300.0	39452
880-21421-34	S-2, 1'	Soluble	Solid	300.0	39452
880-21421-35	S-2, 3'	Soluble	Solid	300.0	39452
880-21421-36	S-2, 5'	Soluble	Solid	300.0	39452
880-21421-37	S-1, 1'	Soluble	Solid	300.0	39452
880-21421-38	S-1, 3'	Soluble	Solid	300.0	39452
880-21421-39	S-1, 5'	Soluble	Solid	300.0	39452
880-21421-40	S-22, 1'	Soluble	Solid	300.0	39452
MB 880-39452/1-A	Method Blank	Soluble	Solid	300.0	39452
LCS 880-39452/2-A	Lab Control Sample	Soluble	Solid	300.0	39452
LCSD 880-39452/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39452
880-21421-21 MS	S-7, 5'	Soluble	Solid	300.0	39452
880-21421-21 MSD	S-7, 5'	Soluble	Solid	300.0	39452
880-21421-31 MS	S-3, 1'	Soluble	Solid	300.0	39452
880-21421-31 MSD	S-3, 1'	Soluble	Solid	300.0	39452

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-13, 1'
Date Collected: 11/02/22 12:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 01:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 11:25	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/15/22 21:57	CH	EET MID

Client Sample ID: S-13, 3'
Date Collected: 11/02/22 12:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 02:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 12:31	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/15/22 22:18	CH	EET MID

Client Sample ID: S-13, 5'
Date Collected: 11/02/22 12:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 02:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 12:53	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/15/22 22:25	CH	EET MID

Client Sample ID: S-12, 1'
Date Collected: 11/02/22 12:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 02:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-12, 1'
Date Collected: 11/02/22 12:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 13:14	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/15/22 22:32	CH	EET MID

Client Sample ID: S-12, 3'
Date Collected: 11/02/22 13:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 03:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 13:36	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/15/22 22:39	CH	EET MID

Client Sample ID: S-12, 5'
Date Collected: 11/02/22 13:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 13:58	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/15/22 23:01	CH	EET MID

Client Sample ID: S-11, 1'
Date Collected: 11/02/22 13:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 04:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 14:19	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-11, 1'
Date Collected: 11/02/22 13:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/15/22 23:08	CH	EET MID

Client Sample ID: S-11, 3'
Date Collected: 11/02/22 13:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 04:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 14:41	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/15/22 23:15	CH	EET MID

Client Sample ID: S-11, 5'
Date Collected: 11/02/22 14:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 05:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 15:03	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/15/22 23:22	CH	EET MID

Client Sample ID: S-10, 1'
Date Collected: 11/02/22 14:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 05:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 15:24	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/15/22 23:29	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-10, 3'

Date Collected: 11/02/22 14:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 07:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 16:07	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/15/22 23:36	CH	EET MID

Client Sample ID: S-10, 5'

Date Collected: 11/02/22 14:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 07:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 16:28	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/15/22 23:58	CH	EET MID

Client Sample ID: S-9, 1'

Date Collected: 11/02/22 15:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 08:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 16:50	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/16/22 00:05	CH	EET MID

Client Sample ID: S-9, 3'

Date Collected: 11/02/22 15:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 08:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-9, 3'
Date Collected: 11/02/22 15:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 17:11	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/16/22 00:26	CH	EET MID

Client Sample ID: S-9, 5'
Date Collected: 11/02/22 15:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 09:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 17:32	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/16/22 00:33	CH	EET MID

Client Sample ID: S-8, 1'
Date Collected: 11/02/22 15:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 09:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 17:54	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/16/22 00:40	CH	EET MID

Client Sample ID: S-8, 3'
Date Collected: 11/02/22 16:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 09:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 18:15	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-8, 3'
Date Collected: 11/02/22 16:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/16/22 00:48	CH	EET MID

Client Sample ID: S-8, 5'
Date Collected: 11/02/22 16:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 10:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 18:36	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/16/22 00:55	CH	EET MID

Client Sample ID: S-7, 1'
Date Collected: 11/03/22 09:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 10:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 18:58	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/16/22 01:02	CH	EET MID

Client Sample ID: S-7, 3'
Date Collected: 11/03/22 09:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39492	11/14/22 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/15/22 11:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39299	11/11/22 09:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39364	11/12/22 19:19	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39451	11/14/22 11:46	KS	EET MID
Soluble	Analysis	300.0		1			39651	11/16/22 01:09	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-7, 5'
Date Collected: 11/03/22 09:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-21
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			4.96 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/14/22 23:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 21:44	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 02:06	CH	EET MID

Client Sample ID: S-6, 1'
Date Collected: 11/03/22 09:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/14/22 23:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 22:50	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 02:28	CH	EET MID

Client Sample ID: S-6, 3'
Date Collected: 11/03/22 10:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/14/22 23:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 23:12	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 02:35	CH	EET MID

Client Sample ID: S-6, 5'
Date Collected: 11/03/22 10:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 00:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-6, 5'
Date Collected: 11/03/22 10:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 23:34	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 02:42	CH	EET MID

Client Sample ID: S-5, 1'
Date Collected: 11/03/22 10:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 23:56	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 02:49	CH	EET MID

Client Sample ID: S-5, 3'
Date Collected: 11/03/22 10:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 00:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/14/22 00:17	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 03:10	CH	EET MID

Client Sample ID: S-5, 5'
Date Collected: 11/03/22 11:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 01:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/14/22 00:40	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-5, 5'
Date Collected: 11/03/22 11:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 03:17	CH	EET MID

Client Sample ID: S-4, 1'
Date Collected: 11/03/22 11:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 01:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/14/22 01:01	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 03:25	CH	EET MID

Client Sample ID: S-4, 3'
Date Collected: 11/03/22 11:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-29
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	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 01:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/14/22 01:44	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 03:32	CH	EET MID

Client Sample ID: S-4, 5'
Date Collected: 11/03/22 11:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-30
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			4.95 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 02:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/14/22 02:05	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 03:39	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-3, 1'
Date Collected: 11/03/22 12:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 03:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/14/22 02:27	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 03:46	CH	EET MID

Client Sample ID: S-3, 3'
Date Collected: 11/03/22 12:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 03:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/14/22 02:48	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 04:07	CH	EET MID

Client Sample ID: S-3, 5'
Date Collected: 11/03/22 12:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 04:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/14/22 03:10	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 04:14	CH	EET MID

Client Sample ID: S-2, 1'
Date Collected: 11/03/22 12:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 04:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-2, 1'
Date Collected: 11/03/22 12:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39497	11/14/22 15:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/14/22 03:32	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 04:36	CH	EET MID

Client Sample ID: S-2, 3'
Date Collected: 11/03/22 13:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 05:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39375	11/14/22 01:44	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 04:43	CH	EET MID

Client Sample ID: S-2, 5'
Date Collected: 11/03/22 13:15
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 05:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39375	11/14/22 02:05	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 04:50	CH	EET MID

Client Sample ID: S-1, 1'
Date Collected: 11/03/22 13:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-37
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	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 05:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39375	11/14/22 02:27	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-1, 1'
Date Collected: 11/03/22 13:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-37
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	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 04:57	CH	EET MID

Client Sample ID: S-1, 3'
Date Collected: 11/03/22 13:45
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 06:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39375	11/14/22 02:48	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 05:04	CH	EET MID

Client Sample ID: S-1, 5'
Date Collected: 11/03/22 14:00
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 06:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39375	11/14/22 03:10	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 05:11	CH	EET MID

Client Sample ID: S-22, 1'
Date Collected: 11/04/22 08:30
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	39493	11/14/22 13:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39394	11/15/22 06:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 14:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39316	11/11/22 10:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39375	11/14/22 03:32	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39452	11/14/22 11:47	KS	EET MID
Soluble	Analysis	300.0		1			39652	11/16/22 05:18	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Client Sample ID: S-22, 3'

Date Collected: 11/04/22 08:31
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-41

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	39499	11/14/22 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39575	11/15/22 11:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 15:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 13:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39314	11/11/22 10:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39373	11/14/22 01:13	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39450	11/14/22 11:44	KS	EET MID
Soluble	Analysis	300.0		1			39643	11/16/22 07:28	CH	EET MID

Client Sample ID: S-22, 5'

Date Collected: 11/04/22 08:32
Date Received: 11/10/22 08:39

Lab Sample ID: 880-21421-42

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39499	11/14/22 13:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39575	11/15/22 11:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39606	11/15/22 15:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			39497	11/14/22 13:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39314	11/11/22 10:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39373	11/14/22 01:54	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39450	11/14/22 11:44	KS	EET MID
Soluble	Analysis	300.0		1			39643	11/16/22 07:34	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-21421-1
Project/Site: Select Energy-Red Tanks SDG: 22-0104-05

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: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Select Energy-Red Tanks

Job ID: 880-21421-1
SDG: 22-0104-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-21421-1	S-13, 1'	Solid	11/02/22 12:00	11/10/22 08:39
880-21421-2	S-13, 3'	Solid	11/02/22 12:15	11/10/22 08:39
880-21421-3	S-13, 5'	Solid	11/02/22 12:30	11/10/22 08:39
880-21421-4	S-12, 1'	Solid	11/02/22 12:45	11/10/22 08:39
880-21421-5	S-12, 3'	Solid	11/02/22 13:00	11/10/22 08:39
880-21421-6	S-12, 5'	Solid	11/02/22 13:15	11/10/22 08:39
880-21421-7	S-11, 1'	Solid	11/02/22 13:30	11/10/22 08:39
880-21421-8	S-11, 3'	Solid	11/02/22 13:45	11/10/22 08:39
880-21421-9	S-11, 5'	Solid	11/02/22 14:00	11/10/22 08:39
880-21421-10	S-10, 1'	Solid	11/02/22 14:15	11/10/22 08:39
880-21421-11	S-10, 3'	Solid	11/02/22 14:30	11/10/22 08:39
880-21421-12	S-10, 5'	Solid	11/02/22 14:45	11/10/22 08:39
880-21421-13	S-9, 1'	Solid	11/02/22 15:00	11/10/22 08:39
880-21421-14	S-9, 3'	Solid	11/02/22 15:15	11/10/22 08:39
880-21421-15	S-9, 5'	Solid	11/02/22 15:30	11/10/22 08:39
880-21421-16	S-8, 1'	Solid	11/02/22 15:45	11/10/22 08:39
880-21421-17	S-8, 3'	Solid	11/02/22 16:00	11/10/22 08:39
880-21421-18	S-8, 5'	Solid	11/02/22 16:15	11/10/22 08:39
880-21421-19	S-7, 1'	Solid	11/03/22 09:00	11/10/22 08:39
880-21421-20	S-7, 3'	Solid	11/03/22 09:15	11/10/22 08:39
880-21421-21	S-7, 5'	Solid	11/03/22 09:30	11/10/22 08:39
880-21421-22	S-6, 1'	Solid	11/03/22 09:45	11/10/22 08:39
880-21421-23	S-6, 3'	Solid	11/03/22 10:00	11/10/22 08:39
880-21421-24	S-6, 5'	Solid	11/03/22 10:15	11/10/22 08:39
880-21421-25	S-5, 1'	Solid	11/03/22 10:30	11/10/22 08:39
880-21421-26	S-5, 3'	Solid	11/03/22 10:45	11/10/22 08:39
880-21421-27	S-5, 5'	Solid	11/03/22 11:00	11/10/22 08:39
880-21421-28	S-4, 1'	Solid	11/03/22 11:15	11/10/22 08:39
880-21421-29	S-4, 3'	Solid	11/03/22 11:30	11/10/22 08:39
880-21421-30	S-4, 5'	Solid	11/03/22 11:45	11/10/22 08:39
880-21421-31	S-3, 1'	Solid	11/03/22 12:00	11/10/22 08:39
880-21421-32	S-3, 3'	Solid	11/03/22 12:15	11/10/22 08:39
880-21421-33	S-3, 5'	Solid	11/03/22 12:30	11/10/22 08:39
880-21421-34	S-2, 1'	Solid	11/03/22 12:45	11/10/22 08:39
880-21421-35	S-2, 3'	Solid	11/03/22 13:00	11/10/22 08:39
880-21421-36	S-2, 5'	Solid	11/03/22 13:15	11/10/22 08:39
880-21421-37	S-1, 1'	Solid	11/03/22 13:30	11/10/22 08:39
880-21421-38	S-1, 3'	Solid	11/03/22 13:45	11/10/22 08:39
880-21421-39	S-1, 5'	Solid	11/03/22 14:00	11/10/22 08:39
880-21421-40	S-22, 1'	Solid	11/04/22 08:30	11/10/22 08:39
880-21421-41	S-22, 3'	Solid	11/04/22 08:31	11/10/22 08:39
880-21421-42	S-22, 5'	Solid	11/04/22 08:32	11/10/22 08:39

21421 No. 2812

CHAIN-OF-CUSTODY

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

DATE 11/9/2022 PAGE 1 OF 3
PO#: LAB WORK ORDER#:
PROJECT LOCATION OR NAME Select Energy - Red Tanks
LAI PROJECT # 22-01041-05 COLLECTOR. JH & AB

Data Reported to

TRRP report? ☐ Yes ☑ No

TIME ZONE: Time zone/State MST / NM

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
S-13, 1'		11/2/22	1200	S	1				X		X		X	X	X													X	202
S-13, 3'			1215																										
S-13, 5'			1230																										
S-12, 1'			1245																										
S-12, 3'			1300																										
S-12, 5'			1315																										
S-11, 1'			1330																										
S-11, 3'			1345																										
S-11, 5'			1400																										
S-10, 1'			1415																										
S-10, 3			1430																										
S-10, 5'			1445																										
S-9, 1'			1500																										
S-9, 3'			1515																										
S-9, 5'			1530																										
TOTAL																													

880-21421 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
	11/10 8307	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 5.7/5.4 THERM# IR8-36
CUSTODY SEALS - ☐ BROKEN ☑ INTACT ☐ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

21421 No. 2813

CHAIN-OF-CUSTODY

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

DATE 11/9/2022 PAGE 2 OF 3

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME Select Energy - Red Tanks

LAI PROJECT # 22-0104-05 COLLECTOR JH + AB

Data Reported to

TRRP report? ☐ Yes ☑ No

TIME ZONE: Time zone/State MST / NM

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
S-8, 1'		11/2/22	1545	S	1				X		X		X	X	X														A
S-8, 3'			1600																										
S-8, 5'			1615																										
S-7, 1'		11/3/22	0700																										
S-7, 3			0915																										
S-7, 5'			0930																										
S-6, 1'			0945																										
S-6, 3'			1000																										
S-6, 5'			1015																										
S-5, 1'			1030																										
S-5, 3'			1045																										
S-5, 5'			1100																										
S-4 1'			1115																										
S-4, 3'			1130																										
S-4, 5'			1145																										
TOTAL																													

RELINQUISHED BY (Signature) _____ DATE/TIME 11/10 839 RECEIVED BY (Signature) _____

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

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

LABORATORY Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 5.7/5.4 THERM# IR2-3
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☑ HAND DELIVERED

21421 No. 2814

CHAIN-OF-CUSTODY

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

DATE 11/9/2022 PAGE 3 OF 3
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME Select Energy - Red Tanks
LAI PROJECT # 22-0104-05 COLLECTOR JH + AB
Data Reported to

TRRP report? ☐ Yes ☑ No
TIME ZONE Time zone/State: MST / NM

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D W 200 8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	HEXAVALENT CHROMIUM ☐	CYANIDE ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDES ☐	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
S-3, 1'		11/3/22	1200	S	1				X		X		X		X	X	X																													
S-3, 3'			1215																																											
S-3, 5'			1230																																											
S-2, 1'			1245																																											
S-2, 3'			1300																																											
S-2, 5'			1315																																											
S-1, 1'			1330																																											
S-1, 3'			1345																																											
S-1, 5'			1400																																											
S-22, 1'		11/4/22	0830																																											
S-22, 3'			0831																																											
S-22, 5'			0832																																											
TOTAL																																													

Loc: 880
21421

RELINQUISHED BY (Signature)	DATE/TIME 11/10 839	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY Xenco

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

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

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-21421-1
SDG Number: 22-0104-05

Login Number: 21421
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Eurofins 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
11/16/2022 3:53:58 PM

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

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

PBELAB

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Red Tanks

Project Number: 22-0104-05

Location:

Lab Order Number: 3D06001

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 04/11/23

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-11 4.1	3D06001-01	Soil	04/05/23 12:40	04-06-2023 08:36
C-12 4.1	3D06001-02	Soil	04/05/23 12:42	04-06-2023 08:36
C-13 4.1	3D06001-03	Soil	04/05/23 12:43	04-06-2023 08:36
C-14 4.1	3D06001-04	Soil	04/05/23 12:50	04-06-2023 08:36
C-15 0-4.1	3D06001-05	Soil	04/05/23 12:53	04-06-2023 08:36
C-16 0-4.1	3D06001-06	Soil	04/05/23 12:55	04-06-2023 08:36

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

C-11 4.1

3D06001-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 13:35	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 13:35	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 13:35	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 13:35	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 13:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P3D0602*	*04/06/23 09:59*	*04/07/23 13:35*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*81.2 %*	*80-120*		*P3D0602*	*04/06/23 09:59*	*04/07/23 13:35*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 16:46	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 16:46	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 16:46	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.0 %*	*70-130*		*P3D0607*	*04/06/23 13:00*	*04/06/23 16:46*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P3D0607*	*04/06/23 13:00*	*04/06/23 16:46*	*TPH 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**127**	1.03	mg/kg dry	1	P3D0801	04/08/23 12:00	04/08/23 20:37	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3D1002	04/10/23 10:53	04/10/23 11:09	ASTM D2216	

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

C-12 4.1

3D06001-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 13:56	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 13:56	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 13:56	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 13:56	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 13:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*83.3 %*	*80-120*		*P3D0602*	*04/06/23 09:59*	*04/07/23 13:56*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P3D0602*	*04/06/23 09:59*	*04/07/23 13:56*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 17:08	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 17:08	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 17:08	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.9 %*	*70-130*		*P3D0607*	*04/06/23 13:00*	*04/06/23 17:08*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P3D0607*	*04/06/23 13:00*	*04/06/23 17:08*	*TPH 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**50.0**	1.03	mg/kg dry	1	P3D0801	04/08/23 12:00	04/08/23 20:58	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3D1002	04/10/23 10:53	04/10/23 11:09	ASTM D2216	

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

C-13 4.1

3D06001-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:16	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:16	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:16	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:16	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*84.6 %*	*80-120*		*P3D0602*	*04/06/23 09:59*	*04/07/23 14:16*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*115 %*	*80-120*		*P3D0602*	*04/06/23 09:59*	*04/07/23 14:16*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 17:29	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 17:29	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 17:29	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.2 %*	*70-130*		*P3D0607*	*04/06/23 13:00*	*04/06/23 17:29*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P3D0607*	*04/06/23 13:00*	*04/06/23 17:29*	*TPH 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**8.14**	1.02	mg/kg dry	1	P3D0801	04/08/23 12:00	04/08/23 21:18	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P3D1002	04/10/23 10:53	04/10/23 11:09	ASTM D2216	

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

C-14 4.1

3D06001-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:37	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:37	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:37	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:37	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*84.2 %*	*80-120*		*P3D0602*	*04/06/23 09:59*	*04/07/23 14:37*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*115 %*	*80-120*		*P3D0602*	*04/06/23 09:59*	*04/07/23 14:37*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 17:51	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 17:51	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 17:51	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.0 %*	*70-130*		*P3D0607*	*04/06/23 13:00*	*04/06/23 17:51*	*TPH 8015M*	
Surrogate: o-Terphenyl		*100 %*	*70-130*		*P3D0607*	*04/06/23 13:00*	*04/06/23 17:51*	*TPH 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**16.5**	1.03	mg/kg dry	1	P3D0801	04/08/23 12:00	04/08/23 21:39	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3D1002	04/10/23 10:53	04/10/23 11:09	ASTM D2216	

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

C-15 0-4.1

3D06001-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:57	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:57	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:57	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:57	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 14:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*113 %*	*80-120*		*P3D0602*	*04/06/23 09:59*	*04/07/23 14:57*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*85.1 %*	*80-120*		*P3D0602*	*04/06/23 09:59*	*04/07/23 14:57*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 18:13	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 18:13	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 18:13	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.6 %*	*70-130*		*P3D0607*	*04/06/23 13:00*	*04/06/23 18:13*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P3D0607*	*04/06/23 13:00*	*04/06/23 18:13*	*TPH 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7.24**	1.02	mg/kg dry	1	P3D0801	04/08/23 12:00	04/08/23 22:40	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P3D1002	04/10/23 10:53	04/10/23 11:09	ASTM D2216	

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

C-16 0-4.1

3D06001-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 15:17	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 15:17	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 15:17	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 15:17	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3D0602	04/06/23 09:59	04/07/23 15:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*84.0 %*	*80-120*		*P3D0602*	*04/06/23 09:59*	*04/07/23 15:17*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		*P3D0602*	*04/06/23 09:59*	*04/07/23 15:17*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 18:34	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 18:34	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3D0607	04/06/23 13:00	04/06/23 18:34	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.5 %*	*70-130*		*P3D0607*	*04/06/23 13:00*	*04/06/23 18:34*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P3D0607*	*04/06/23 13:00*	*04/06/23 18:34*	*TPH 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**36.5**	1.03	mg/kg dry	1	P3D0801	04/08/23 12:00	04/08/23 23:01	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3D1002	04/10/23 10:53	04/10/23 11:09	ASTM D2216	

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D0602 - * DEFAULT PREP *** **										
Blank (P3D0602-BLK1)				Prepared: 04/06/23 Analyzed: 04/07/23						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.0974*		"	*0.120*		*81.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
LCS (P3D0602-BS1)				Prepared: 04/06/23 Analyzed: 04/07/23						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.181	0.00200	"	0.200		90.6	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.0978*		"	*0.120*		*81.5*	*80-120*			
LCS Dup (P3D0602-BSD1)				Prepared: 04/06/23 Analyzed: 04/07/23						
Benzene	0.116	0.00100	mg/kg	0.100		116	80-120	2.98	20	
Toluene	0.101	0.00100	"	0.100		101	80-120	4.33	20	
Ethylbenzene	0.0976	0.00100	"	0.100		97.6	80-120	6.02	20	
Xylene (p/m)	0.171	0.00200	"	0.200		85.5	80-120	5.89	20	
Xylene (o)	0.0955	0.00100	"	0.100		95.5	80-120	4.99	20	
Surrogate: 1,4-Difluorobenzene	*0.0985*		"	*0.120*		*82.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.5*	*80-120*			
Calibration Blank (P3D0602-CCB1)				Prepared: 04/06/23 Analyzed: 04/07/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.190		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.101*		"	*0.120*		*83.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.140*		"	*0.120*		*116*	*80-120*			

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D0602 - * DEFAULT PREP *** **										
Calibration Blank (P3D0602-CCB2)				Prepared: 04/06/23 Analyzed: 04/07/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.130		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.0972*		*"*	*0.120*		*81.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			
Calibration Check (P3D0602-CCV1)				Prepared: 04/06/23 Analyzed: 04/07/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.193	0.00200	"	0.200		96.7	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	*0.0974*		*"*	*0.120*		*81.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.140*		*"*	*0.120*		*117*	*75-125*			
Calibration Check (P3D0602-CCV2)				Prepared: 04/06/23 Analyzed: 04/07/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.0966	0.00100	"	0.100		96.6	80-120			
Xylene (p/m)	0.180	0.00200	"	0.200		89.9	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 1,4-Difluorobenzene	*0.102*		*"*	*0.120*		*85.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.141*		*"*	*0.120*		*117*	*75-125*			
Calibration Check (P3D0602-CCV3)				Prepared: 04/06/23 Analyzed: 04/07/23						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.6	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.156*		*"*	*0.120*		*130*	*75-125*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.103*		*"*	*0.120*		*86.1*	*75-125*			

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D0602 - * DEFAULT PREP *** **										
Matrix Spike (P3D0602-MS1)	**Source: 3D06001-01**			Prepared: 04/06/23 Analyzed: 04/07/23						
Benzene	0.124	0.00103	mg/kg dry	0.103	ND	120	80-120			
Toluene	0.118	0.00103	"	0.103	ND	115	80-120			
Ethylbenzene	0.118	0.00103	"	0.103	ND	115	80-120			
Xylene (p/m)	0.204	0.00206	"	0.206	ND	98.9	80-120			
Xylene (o)	0.108	0.00103	"	0.103	ND	105	80-120			
Surrogate: 1,4-Difluorobenzene	*0.109*		"	*0.124*		*88.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.169*		"	*0.124*		*136*	*80-120*			*S-GC*
Matrix Spike Dup (P3D0602-MSD1)	**Source: 3D06001-01**			Prepared: 04/06/23 Analyzed: 04/07/23						
Benzene	0.121	0.00103	mg/kg dry	0.103	ND	118	80-120	2.03	20	
Toluene	0.116	0.00103	"	0.103	ND	113	80-120	1.77	20	
Ethylbenzene	0.117	0.00103	"	0.103	ND	114	80-120	0.787	20	
Xylene (p/m)	0.202	0.00206	"	0.206	ND	98.1	80-120	0.736	20	
Xylene (o)	0.106	0.00103	"	0.103	ND	103	80-120	2.32	20	
Surrogate: 1,4-Difluorobenzene	*0.109*		"	*0.124*		*87.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.164*		"	*0.124*		*133*	*80-120*			*S-GC*

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D0607 - TX 1005										
Blank (P3D0607-BLK1)				Prepared & Analyzed: 04/06/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*95.0*		"	*100*		*95.0*	*70-130*			
Surrogate: o-Terphenyl	*50.7*		"	*50.0*		*101*	*70-130*			
LCS (P3D0607-BS1)				Prepared & Analyzed: 04/06/23						
C6-C12	851	25.0	mg/kg	1000		85.1	75-125			
>C12-C28	1140	25.0	"	1000		114	75-125			
Surrogate: 1-Chlorooctane	*106*		"	*100*		*106*	*70-130*			
Surrogate: o-Terphenyl	*60.3*		"	*50.0*		*121*	*70-130*			
LCS Dup (P3D0607-BSD1)				Prepared & Analyzed: 04/06/23						
C6-C12	852	25.0	mg/kg	1000		85.2	75-125	0.0317	20	
>C12-C28	1140	25.0	"	1000		114	75-125	0.0237	20	
Surrogate: 1-Chlorooctane	*106*		"	*100*		*106*	*70-130*			
Surrogate: o-Terphenyl	*60.9*		"	*50.0*		*122*	*70-130*			
Calibration Check (P3D0607-CCV1)				Prepared & Analyzed: 04/06/23						
C6-C12	465	25.0	mg/kg	500		93.0	85-115			
>C12-C28	506	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	*121*		"	*100*		*121*	*70-130*			
Surrogate: o-Terphenyl	*53.1*		"	*50.0*		*106*	*70-130*			
Calibration Check (P3D0607-CCV2)				Prepared & Analyzed: 04/06/23						
C6-C12	466	25.0	mg/kg	500		93.1	85-115			
>C12-C28	479	25.0	"	500		95.9	85-115			
Surrogate: 1-Chlorooctane	*122*		"	*100*		*122*	*70-130*			
Surrogate: o-Terphenyl	*54.4*		"	*50.0*		*109*	*70-130*			

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D0607 - TX 1005										
Matrix Spike (P3D0607-MS1)	**Source: 3D06001-06**			Prepared: 04/06/23 Analyzed: 04/07/23						
C6-C12	761	25.8	mg/kg dry	1030	ND	73.8	75-125			QM-05
>C12-C28	1050	25.8	"	1030	ND	101	75-125			
Surrogate: 1-Chlorooctane	*124*		*"*	*103*		*120*	*70-130*			
Surrogate: o-Terphenyl	*60.1*		*"*	*51.5*		*117*	*70-130*			
Matrix Spike Dup (P3D0607-MSD1)	**Source: 3D06001-06**			Prepared: 04/06/23 Analyzed: 04/07/23						
C6-C12	766	25.8	mg/kg dry	1030	ND	74.3	75-125	0.736	20	QM-05
>C12-C28	1070	25.8	"	1030	ND	104	75-125	2.06	20	
Surrogate: 1-Chlorooctane	*125*		*"*	*103*		*121*	*70-130*			
Surrogate: o-Terphenyl	*50.5*		*"*	*51.5*		*98.0*	*70-130*			

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D0801 - * DEFAULT PREP *** **										
Blank (P3D0801-BLK1)				Prepared & Analyzed: 04/08/23						
Chloride	ND	1.00	mg/kg							
LCS (P3D0801-BS1)				Prepared & Analyzed: 04/08/23						
Chloride	20.8		mg/kg	20.0		104	90-110			
LCS Dup (P3D0801-BSD1)				Prepared & Analyzed: 04/08/23						
Chloride	21.7		mg/kg	20.0		108	90-110	4.33	10	
Calibration Check (P3D0801-CCV1)				Prepared & Analyzed: 04/08/23						
Chloride	20.4		mg/kg	20.0		102	90-110			
Calibration Check (P3D0801-CCV2)				Prepared & Analyzed: 04/08/23						
Chloride	19.7		mg/kg	20.0		98.4	90-110			
Calibration Check (P3D0801-CCV3)				Prepared: 04/08/23 Analyzed: 04/09/23						
Chloride	19.7		mg/kg	20.0		98.7	90-110			
Matrix Spike (P3D0801-MS1)		**Source: 3D05016-09**		Prepared & Analyzed: 04/08/23						
Chloride	128		mg/kg	100	23.1	105	80-120			
Matrix Spike (P3D0801-MS2)		**Source: 3C31010-01**		Prepared: 04/08/23 Analyzed: 04/09/23						
Chloride	134		mg/kg	100	33.9	100	80-120			
Matrix Spike Dup (P3D0801-MSD1)		**Source: 3D05016-09**		Prepared & Analyzed: 04/08/23						
Chloride	130		mg/kg	100	23.1	107	80-120	1.55	20	
Matrix Spike Dup (P3D0801-MSD2)		**Source: 3C31010-01**		Prepared: 04/08/23 Analyzed: 04/09/23						
Chloride	135		mg/kg	100	33.9	101	80-120	0.222	20	

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D1002 - * DEFAULT PREP *** **										
Blank (P3D1002-BLK1)				Prepared & Analyzed: 04/10/23						
% Moisture	ND	0.1	%							
Blank (P3D1002-BLK2)				Prepared & Analyzed: 04/10/23						
% Moisture	ND	0.1	%							
Blank (P3D1002-BLK3)				Prepared & Analyzed: 04/10/23						
% Moisture	ND	0.1	%							
Blank (P3D1002-BLK4)				Prepared & Analyzed: 04/10/23						
% Moisture	ND	0.1	%							
Blank (P3D1002-BLK5)				Prepared & Analyzed: 04/10/23						
% Moisture	ND	0.1	%							
Duplicate (P3D1002-DUP1)	**Source: 3D05009-09**			Prepared & Analyzed: 04/10/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P3D1002-DUP2)	**Source: 3D05009-19**			Prepared & Analyzed: 04/10/23						
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P3D1002-DUP3)	**Source: 3D05009-34**			Prepared & Analyzed: 04/10/23						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P3D1002-DUP4)	**Source: 3D05010-01**			Prepared & Analyzed: 04/10/23						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P3D1002-DUP5)	**Source: 3D05016-03**			Prepared & Analyzed: 04/10/23						
% Moisture	2.0	0.1	%		2.0			0.00	20	

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3D1002 - * DEFAULT PREP *** **										
Duplicate (P3D1002-DUP6)	**Source: 3D06001-03**			Prepared & Analyzed: 04/10/23						
% Moisture	3.0	0.1	%		2.0			40.0	20	R
Duplicate (P3D1002-DUP7)	**Source: 3D06004-01**			Prepared & Analyzed: 04/10/23						
% Moisture	5.0	0.1	%		6.0			18.2	20	
Duplicate (P3D1002-DUP8)	**Source: 3D06004-11**			Prepared & Analyzed: 04/10/23						
% Moisture	9.0	0.1	%		8.0			11.8	20	

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

Notes and Definitions

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

Report Approved By: Brent Barron Date: 4/11/2023

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project: Red Tanks
P.O. Box 50685	Project Number: 22-0104-05
Midland TX, 79710	Project Manager: Mark Larson

No. 3020

CHAIN-OF-CUSTOD

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

Data Reported to:

DATE: 4/6/2023 PAGE 1 OF

PO#: LAB WORK ORDER#: 3006001

PROJECT LOCATION OR NAME: Red Tanks

LAI PROJECT #: 22-0104-05 COLLECTOR: DSG

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MNT ~~AKM~~ / NM

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

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESSERVED

ANALYSES: BTEX ☒ MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☒ | OIL - MOD 8015 ☒ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	ANALYSES	FIELD NOTES
C-11 4.1		4/5/23	1240	S	1				X		X BTEX, X GASOLINE MOD 8015, X DIESEL - MOD 8015, X OIL - MOD 8015, X TCLP - METALS (RCRA)	
C-12 4.1		"	1242	"	"				"		"	
C-13 4.1		"	1243	"	"				"		"	
C-14 4.1		"	1250	"	"				"		"	
C-15 0-4.1		"	1253	"	"				"		"	
C-16 0-4.1		"	1255	"	"				"		"	

TOTAL 6

RELINQUISHED BY:(Signature) Daniel Stephens DATE/TIME 4/6/23 RECEIVED BY:,(Signature) 4-6-23 4:36

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

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

LABORATORY: PBEL

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

LABORATORY USE ONLY:
RECEIVING TEMP: -9.4 THERM#: CF0
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/17/2023 8:48:28 AM Revision 1

JOB DESCRIPTION

Red Tanks
SDG NUMBER 22-0104-05

JOB NUMBER

880-26797-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

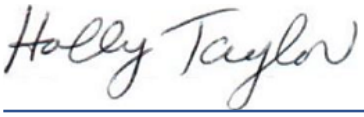
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Revision 1

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

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Laboratory Job ID: 880-26797-1
SDG: 22-0104-05

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-26797-1
Project/Site: Red Tanks SDG: 22-0104-05

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
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: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Job ID: 880-26797-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-26797-1

Revision
The report being provided is a revision of the original report sent on 4/13/2023. The report (revision 1) is being revised to change the project number per Daniel St. Germain (email).

Receipt
The samples were received on 4/5/2023 8:31 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 -4.6º C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-1 4.1 (880-26797-1), C-2 4.1 (880-26797-2), C-3 4.1 (880-26797-3), C-4 4.1 (880-26797-4), C-5 4.1 (880-26797-5), C-6 4.1 (880-26797-6), C-7 4.1 (880-26797-7), C-8 0-4.1 (880-26797-8), C-9 0-4.1 (880-26797-9) and C-10 0-4.1 (880-26797-10).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: C-5 4.1 (880-26797-5) and C-6 4.1 (880-26797-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-50535 and analytical batch 880-50654 was outside the upper control limits.

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

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-50696 and analytical batch 880-50974 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

C-1 4.1 (880-26797-1), C-2 4.1 (880-26797-2), C-3 4.1 (880-26797-3), C-4 4.1 (880-26797-4), C-5 4.1 (880-26797-5), C-6 4.1 (880-26797-6), C-7 4.1 (880-26797-7), C-8 0-4.1 (880-26797-8), C-9 0-4.1 (880-26797-9), C-10 0-4.1 (880-26797-10), (880-26797-A-1-C MS) and (880-26797-A-1-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: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Client Sample ID: C-1 4.1

Date Collected: 04/03/23 10:00
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/10/23 11:52	04/12/23 11:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/10/23 11:52	04/12/23 11:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/10/23 11:52	04/12/23 11:12	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		04/10/23 11:52	04/12/23 11:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/10/23 11:52	04/12/23 11:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/10/23 11:52	04/12/23 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/10/23 11:52*	*04/12/23 11:12*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/10/23 11:52*	*04/12/23 11:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/12/23 15:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/09/23 22:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/06/23 15:38	04/08/23 23:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/06/23 15:38	04/08/23 23:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/06/23 15:38	04/08/23 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*04/06/23 15:38*	*04/08/23 23:41*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*04/06/23 15:38*	*04/08/23 23:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82.2**	**F1**	5.03		mg/Kg			04/11/23 20:55	1

Client Sample ID: C-2 4.1

Date Collected: 04/03/23 10:10
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/12/23 12:13	04/13/23 03:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/12/23 12:13	04/13/23 03:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/12/23 12:13	04/13/23 03:31	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/12/23 12:13	04/13/23 03:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/12/23 12:13	04/13/23 03:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/12/23 12:13	04/13/23 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*04/12/23 12:13*	*04/13/23 03:31*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*04/12/23 12:13*	*04/13/23 03:31*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Client Sample ID: C-2 4.1

Date Collected: 04/03/23 10:10
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/13/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/09/23 22:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/06/23 15:38	04/09/23 00:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/23 15:38	04/09/23 00:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/23 15:38	04/09/23 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*04/06/23 15:38*	*04/09/23 00:02*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*04/06/23 15:38*	*04/09/23 00:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2050**		24.9		mg/Kg			04/11/23 21:08	5

Client Sample ID: C-3 4.1

Date Collected: 04/03/23 10:15
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/13/23 03:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/13/23 03:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/13/23 03:51	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/12/23 12:13	04/13/23 03:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/13/23 03:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/12/23 12:13	04/13/23 03:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/12/23 12:13*	*04/13/23 03:51*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*04/12/23 12:13*	*04/13/23 03:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/13/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/09/23 22:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/06/23 15:38	04/09/23 00:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/23 15:38	04/09/23 00:23	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Client Sample ID: C-3 4.1

Date Collected: 04/03/23 10:15
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/23 15:38	04/09/23 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*04/06/23 15:38*	*04/09/23 00:23*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*04/06/23 15:38*	*04/09/23 00:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**230**		4.99		mg/Kg			04/11/23 21:13	1

Client Sample ID: C-4 4.1

Date Collected: 04/03/23 10:17
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/12/23 12:13	04/13/23 04:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/12/23 12:13	04/13/23 04:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/12/23 12:13	04/13/23 04:12	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		04/12/23 12:13	04/13/23 04:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/12/23 12:13	04/13/23 04:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/12/23 12:13	04/13/23 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/12/23 12:13*	*04/13/23 04:12*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*04/12/23 12:13*	*04/13/23 04:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/13/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/09/23 22:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/06/23 15:38	04/09/23 00:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/23 15:38	04/09/23 00:45	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/23 15:38	04/09/23 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*04/06/23 15:38*	*04/09/23 00:45*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*04/06/23 15:38*	*04/09/23 00:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**191**		5.04		mg/Kg			04/11/23 21:26	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Client Sample ID: C-5 4.1

Date Collected: 04/03/23 10:24
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/12/23 12:13	04/13/23 04:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/12/23 12:13	04/13/23 04:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/12/23 12:13	04/13/23 04:32	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/12/23 12:13	04/13/23 04:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/12/23 12:13	04/13/23 04:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/12/23 12:13	04/13/23 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*04/12/23 12:13*	*04/13/23 04:32*	*1*
1,4-Difluorobenzene (Surr)	*57*	*S1-*	*70 - 130*	*04/12/23 12:13*	*04/13/23 04:32*	*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			04/13/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/09/23 22:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/06/23 15:44	04/08/23 11:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/06/23 15:44	04/08/23 11:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/06/23 15:44	04/08/23 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*04/06/23 15:44*	*04/08/23 11:37*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*04/06/23 15:44*	*04/08/23 11:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1170**		4.95		mg/Kg			04/11/23 21:31	1

Client Sample ID: C-6 4.1

Date Collected: 04/03/23 10:30
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/13/23 04:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/13/23 04:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/13/23 04:53	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		04/12/23 12:13	04/13/23 04:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/13/23 04:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/12/23 12:13	04/13/23 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*04/12/23 12:13*	*04/13/23 04:53*	*1*
1,4-Difluorobenzene (Surr)	*57*	*S1-*	*70 - 130*	*04/12/23 12:13*	*04/13/23 04:53*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Client Sample ID: C-6 4.1

Date Collected: 04/03/23 10:30
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/13/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/09/23 22:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/06/23 15:44	04/08/23 12:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/23 15:44	04/08/23 12:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/23 15:44	04/08/23 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*04/06/23 15:44*	*04/08/23 12:42*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*04/06/23 15:44*	*04/08/23 12:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**417**		5.02		mg/Kg			04/11/23 21:35	1

Client Sample ID: C-7 4.1

Date Collected: 04/03/23 10:35
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/12/23 12:13	04/13/23 05:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/12/23 12:13	04/13/23 05:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/12/23 12:13	04/13/23 05:13	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/12/23 12:13	04/13/23 05:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/12/23 12:13	04/13/23 05:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/12/23 12:13	04/13/23 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/12/23 12:13*	*04/13/23 05:13*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/12/23 12:13*	*04/13/23 05:13*	*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			04/13/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/09/23 22:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/06/23 15:44	04/08/23 13:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/06/23 15:44	04/08/23 13:03	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Client Sample ID: C-7 4.1

Date Collected: 04/03/23 10:35
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/06/23 15:44	04/08/23 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*04/06/23 15:44*	*04/08/23 13:03*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*04/06/23 15:44*	*04/08/23 13:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**273**		5.03		mg/Kg			04/11/23 21:40	1

Client Sample ID: C-8 0-4.1

Date Collected: 04/03/23 10:40
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-8

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		04/12/23 12:13	04/13/23 05:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/12/23 12:13	04/13/23 05:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/12/23 12:13	04/13/23 05:34	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/12/23 12:13	04/13/23 05:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/12/23 12:13	04/13/23 05:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/12/23 12:13	04/13/23 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*04/12/23 12:13*	*04/13/23 05:34*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*04/12/23 12:13*	*04/13/23 05:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/13/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/09/23 22:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/06/23 15:44	04/08/23 13:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/06/23 15:44	04/08/23 13:25	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/06/23 15:44	04/08/23 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*116*		*70 - 130*	*04/06/23 15:44*	*04/08/23 13:25*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*04/06/23 15:44*	*04/08/23 13:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**111**		4.99		mg/Kg			04/11/23 21:45	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Client Sample ID: C-9 0-4.1

Date Collected: 04/03/23 10:47
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/13/23 05:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/13/23 05:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/13/23 05:54	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/12/23 12:13	04/13/23 05:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/13/23 05:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/12/23 12:13	04/13/23 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*04/12/23 12:13*	*04/13/23 05:54*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*04/12/23 12:13*	*04/13/23 05:54*	*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			04/13/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/09/23 22:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/06/23 15:44	04/08/23 13:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/23 15:44	04/08/23 13:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/23 15:44	04/08/23 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*04/06/23 15:44*	*04/08/23 13:47*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*04/06/23 15:44*	*04/08/23 13:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**		5.02		mg/Kg			04/11/23 21:49	1

Client Sample ID: C-10 0-4.1

Date Collected: 04/03/23 10:54
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/12/23 12:13	04/13/23 06:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/12/23 12:13	04/13/23 06:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/12/23 12:13	04/13/23 06:15	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/12/23 12:13	04/13/23 06:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/12/23 12:13	04/13/23 06:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/12/23 12:13	04/13/23 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/12/23 12:13*	*04/13/23 06:15*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*04/12/23 12:13*	*04/13/23 06:15*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Client Sample ID: C-10 0-4.1

Date Collected: 04/03/23 10:54
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-10

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/13/23 09:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/09/23 22:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/06/23 15:44	04/08/23 14:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/23 15:44	04/08/23 14:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/23 15:44	04/08/23 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*04/06/23 15:44*	*04/08/23 14:09*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*04/06/23 15:44*	*04/08/23 14:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.6**		4.97		mg/Kg			04/11/23 21:54	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-26797-1	C-1 4.1	101	90
880-26797-1 MS	C-1 4.1	111	105
880-26797-1 MSD	C-1 4.1	109	104
880-26797-2	C-2 4.1	110	80
880-26797-3	C-3 4.1	103	82
880-26797-4	C-4 4.1	104	77
880-26797-5	C-5 4.1	87	57 S1-
880-26797-6	C-6 4.1	85	57 S1-
880-26797-7	C-7 4.1	97	90
880-26797-8	C-8 0-4.1	126	86
880-26797-9	C-9 0-4.1	91	73
880-26797-10	C-10 0-4.1	100	82
LCS 880-50827/1-A	Lab Control Sample	107	106
LCS 880-50990/1-A	Lab Control Sample	101	108
LCSD 880-50827/2-A	Lab Control Sample Dup	106	109
LCSD 880-50990/2-A	Lab Control Sample Dup	99	112
MB 880-50827/5-A	Method Blank	79	96
MB 880-50990/5-A	Method Blank	72	82

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)
880-26797-1	C-1 4.1	89	92
880-26797-2	C-2 4.1	102	106
880-26797-3	C-3 4.1	94	97
880-26797-4	C-4 4.1	110	110
880-26797-5	C-5 4.1	110	94
880-26797-5 MS	C-5 4.1	110	87
880-26797-5 MSD	C-5 4.1	115	91
880-26797-6	C-6 4.1	106	92
880-26797-7	C-7 4.1	118	103
880-26797-8	C-8 0-4.1	116	104
880-26797-9	C-9 0-4.1	113	98
880-26797-10	C-10 0-4.1	115	99
LCS 880-50535/2-A	Lab Control Sample	113	118
LCS 880-50538/2-A	Lab Control Sample	110	94
LCSD 880-50535/3-A	Lab Control Sample Dup	100	104
LCSD 880-50538/3-A	Lab Control Sample Dup	111	95
MB 880-50535/1-A	Method Blank	132 S1+	144 S1+
MB 880-50538/1-A	Method Blank	120	111

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-50827/5-A
Matrix: Solid
Analysis Batch: 50945

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 50827

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/23 11:52	04/12/23 10:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/23 11:52	04/12/23 10:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/23 11:52	04/12/23 10:50	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/10/23 11:52	04/12/23 10:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/23 11:52	04/12/23 10:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/10/23 11:52	04/12/23 10:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*04/10/23 11:52*	*04/12/23 10:50*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/10/23 11:52*	*04/12/23 10:50*	*1*

Lab Sample ID: LCS 880-50827/1-A
Matrix: Solid
Analysis Batch: 50945

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 50827

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1032		mg/Kg		103	70 - 130		
Toluene			0.100	0.09878		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.09778		mg/Kg		98	70 - 130		
m,p-Xylenes			0.200	0.2100		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1150		mg/Kg		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-50827/2-A
Matrix: Solid
Analysis Batch: 50945

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 50827

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1107		mg/Kg		111	70 - 130	7	35
Toluene			0.100	0.1032		mg/Kg		103	70 - 130	4	35
Ethylbenzene			0.100	0.1006		mg/Kg		101	70 - 130	3	35
m,p-Xylenes			0.200	0.2164		mg/Kg		108	70 - 130	3	35
o-Xylene			0.100	0.1137		mg/Kg		114	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 880-26797-1 MS
Matrix: Solid
Analysis Batch: 50945

Client Sample ID: C-1 4.1
Prep Type: Total/NA
Prep Batch: 50827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.0996	0.1070		mg/Kg		107	70 - 130		
Toluene	<0.00198	U	0.0996	0.1020		mg/Kg		102	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

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

Lab Sample ID: 880-26797-1 MS
Matrix: Solid
Analysis Batch: 50945

Client Sample ID: C-1 4.1
Prep Type: Total/NA
Prep Batch: 50827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.0996	0.1029		mg/Kg		103	70 - 130
m,p-Xylenes	<0.00396	U	0.199	0.2210		mg/Kg		111	70 - 130
o-Xylene	<0.00198	U	0.0996	0.1134		mg/Kg		114	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-26797-1 MSD
Matrix: Solid
Analysis Batch: 50945

Client Sample ID: C-1 4.1
Prep Type: Total/NA
Prep Batch: 50827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0994	0.1012		mg/Kg		102	70 - 130	6	35
Toluene	<0.00198	U	0.0994	0.09706		mg/Kg		98	70 - 130	5	35
Ethylbenzene	<0.00198	U	0.0994	0.09702		mg/Kg		98	70 - 130	6	35
m,p-Xylenes	<0.00396	U	0.199	0.2091		mg/Kg		105	70 - 130	6	35
o-Xylene	<0.00198	U	0.0994	0.1073		mg/Kg		108	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-50990/5-A
Matrix: Solid
Analysis Batch: 50945

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 50990

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/12/23 22:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/12/23 22:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/12/23 22:22	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/12/23 12:13	04/12/23 22:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/12/23 12:13	04/12/23 22:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/12/23 12:13	04/12/23 22:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*04/12/23 12:13*	*04/12/23 22:22*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*04/12/23 12:13*	*04/12/23 22:22*	*1*

Lab Sample ID: LCS 880-50990/1-A
Matrix: Solid
Analysis Batch: 50945

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 50990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1089		mg/Kg		109	70 - 130
Toluene	0.100	0.09836		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09552		mg/Kg		96	70 - 130
m,p-Xylenes	0.200	0.2013		mg/Kg		101	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

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

Lab Sample ID: LCS 880-50990/1-A
Matrix: Solid
Analysis Batch: 50945

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 50990

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1024		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-50990/2-A
Matrix: Solid
Analysis Batch: 50945

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 50990

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1199		mg/Kg		120	70 - 130	10	35
Toluene			0.100	0.1060		mg/Kg		106	70 - 130	7	35
Ethylbenzene			0.100	0.1013		mg/Kg		101	70 - 130	6	35
m,p-Xylenes			0.200	0.2114		mg/Kg		106	70 - 130	5	35
o-Xylene			0.100	0.1077		mg/Kg		108	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

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

Lab Sample ID: MB 880-50535/1-A
Matrix: Solid
Analysis Batch: 50654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 50535

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/06/23 15:38	04/08/23 20:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/06/23 15:38	04/08/23 20:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/06/23 15:38	04/08/23 20:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*132*	*S1+*	*70 - 130*	*04/06/23 15:38*	*04/08/23 20:26*	*1*
o-Terphenyl (Surr)	*144*	*S1+*	*70 - 130*	*04/06/23 15:38*	*04/08/23 20:26*	*1*

Lab Sample ID: LCS 880-50535/2-A
Matrix: Solid
Analysis Batch: 50654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 50535

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1127		mg/Kg		113	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	963.9		mg/Kg		96	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

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

Lab Sample ID: LCS 880-50535/2-A
Matrix: Solid
Analysis Batch: 50654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 50535

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	118		70 - 130

Lab Sample ID: LCSD 880-50535/3-A
Matrix: Solid
Analysis Batch: 50654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 50535

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1091		mg/Kg		109	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	894.8		mg/Kg		89	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	100		70 - 130
o-Terphenyl (Surr)	104		70 - 130

Lab Sample ID: MB 880-50538/1-A
Matrix: Solid
Analysis Batch: 50652

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 50538

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/06/23 15:44	04/08/23 08:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/06/23 15:44	04/08/23 08:48	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/06/23 15:44	04/08/23 08:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	04/06/23 15:44	04/08/23 08:48	1
o-Terphenyl (Surr)	111		70 - 130	04/06/23 15:44	04/08/23 08:48	1

Lab Sample ID: LCS 880-50538/2-A
Matrix: Solid
Analysis Batch: 50652

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 50538

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	973.2		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1044		mg/Kg		104	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	110		70 - 130
o-Terphenyl (Surr)	94		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

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

Lab Sample ID: LCSD 880-50538/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 50652 — **Prep Batch: 50538**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	956.2		mg/Kg		96	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1060		mg/Kg		106	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*111*		*70 - 130*
o-Terphenyl (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-26797-5 MS — **Client Sample ID: C-5 4.1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 50652 — **Prep Batch: 50538**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	948.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1002		mg/Kg		96	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*110*		*70 - 130*
o-Terphenyl (Surr)	*87*		*70 - 130*

Lab Sample ID: 880-26797-5 MSD — **Client Sample ID: C-5 4.1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 50652 — **Prep Batch: 50538**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1003		mg/Kg		98	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1054		mg/Kg		101	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*115*		*70 - 130*
o-Terphenyl (Surr)	*91*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-50696/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 50974

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/11/23 19:37	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-50696/2-A
Matrix: Solid
Analysis Batch: 50974

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.5		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-50696/3-A
Matrix: Solid
Analysis Batch: 50974

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	242.0		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-26797-1 MS
Matrix: Solid
Analysis Batch: 50974

Client Sample ID: C-1 4.1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	82.2	F1	252	375.6	F1	mg/Kg		117	90 - 110		

Lab Sample ID: 880-26797-1 MSD
Matrix: Solid
Analysis Batch: 50974

Client Sample ID: C-1 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	82.2	F1	252	370.8	F1	mg/Kg		115	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

GC VOA

Prep Batch: 50827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26797-1	C-1 4.1	Total/NA	Solid	5035	
MB 880-50827/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-50827/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-50827/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26797-1 MS	C-1 4.1	Total/NA	Solid	5035	
880-26797-1 MSD	C-1 4.1	Total/NA	Solid	5035	

Analysis Batch: 50945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26797-1	C-1 4.1	Total/NA	Solid	8021B	50827
880-26797-2	C-2 4.1	Total/NA	Solid	8021B	50990
880-26797-3	C-3 4.1	Total/NA	Solid	8021B	50990
880-26797-4	C-4 4.1	Total/NA	Solid	8021B	50990
880-26797-5	C-5 4.1	Total/NA	Solid	8021B	50990
880-26797-6	C-6 4.1	Total/NA	Solid	8021B	50990
880-26797-7	C-7 4.1	Total/NA	Solid	8021B	50990
880-26797-8	C-8 0-4.1	Total/NA	Solid	8021B	50990
880-26797-9	C-9 0-4.1	Total/NA	Solid	8021B	50990
880-26797-10	C-10 0-4.1	Total/NA	Solid	8021B	50990
MB 880-50827/5-A	Method Blank	Total/NA	Solid	8021B	50827
MB 880-50990/5-A	Method Blank	Total/NA	Solid	8021B	50990
LCS 880-50827/1-A	Lab Control Sample	Total/NA	Solid	8021B	50827
LCS 880-50990/1-A	Lab Control Sample	Total/NA	Solid	8021B	50990
LCSD 880-50827/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	50827
LCSD 880-50990/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	50990
880-26797-1 MS	C-1 4.1	Total/NA	Solid	8021B	50827
880-26797-1 MSD	C-1 4.1	Total/NA	Solid	8021B	50827

Prep Batch: 50990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26797-2	C-2 4.1	Total/NA	Solid	5035	
880-26797-3	C-3 4.1	Total/NA	Solid	5035	
880-26797-4	C-4 4.1	Total/NA	Solid	5035	
880-26797-5	C-5 4.1	Total/NA	Solid	5035	
880-26797-6	C-6 4.1	Total/NA	Solid	5035	
880-26797-7	C-7 4.1	Total/NA	Solid	5035	
880-26797-8	C-8 0-4.1	Total/NA	Solid	5035	
880-26797-9	C-9 0-4.1	Total/NA	Solid	5035	
880-26797-10	C-10 0-4.1	Total/NA	Solid	5035	
MB 880-50990/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-50990/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-50990/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 51001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26797-1	C-1 4.1	Total/NA	Solid	Total BTEX	
880-26797-2	C-2 4.1	Total/NA	Solid	Total BTEX	
880-26797-3	C-3 4.1	Total/NA	Solid	Total BTEX	
880-26797-4	C-4 4.1	Total/NA	Solid	Total BTEX	
880-26797-5	C-5 4.1	Total/NA	Solid	Total BTEX	
880-26797-6	C-6 4.1	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

GC VOA (Continued)

Analysis Batch: 51001 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26797-7	C-7 4.1	Total/NA	Solid	Total BTEX	
880-26797-8	C-8 0-4.1	Total/NA	Solid	Total BTEX	
880-26797-9	C-9 0-4.1	Total/NA	Solid	Total BTEX	
880-26797-10	C-10 0-4.1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 50535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26797-1	C-1 4.1	Total/NA	Solid	8015NM Prep	
880-26797-2	C-2 4.1	Total/NA	Solid	8015NM Prep	
880-26797-3	C-3 4.1	Total/NA	Solid	8015NM Prep	
880-26797-4	C-4 4.1	Total/NA	Solid	8015NM Prep	
MB 880-50535/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-50535/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-50535/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 50538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26797-5	C-5 4.1	Total/NA	Solid	8015NM Prep	
880-26797-6	C-6 4.1	Total/NA	Solid	8015NM Prep	
880-26797-7	C-7 4.1	Total/NA	Solid	8015NM Prep	
880-26797-8	C-8 0-4.1	Total/NA	Solid	8015NM Prep	
880-26797-9	C-9 0-4.1	Total/NA	Solid	8015NM Prep	
880-26797-10	C-10 0-4.1	Total/NA	Solid	8015NM Prep	
MB 880-50538/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-50538/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-50538/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26797-5 MS	C-5 4.1	Total/NA	Solid	8015NM Prep	
880-26797-5 MSD	C-5 4.1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 50652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26797-5	C-5 4.1	Total/NA	Solid	8015B NM	50538
880-26797-6	C-6 4.1	Total/NA	Solid	8015B NM	50538
880-26797-7	C-7 4.1	Total/NA	Solid	8015B NM	50538
880-26797-8	C-8 0-4.1	Total/NA	Solid	8015B NM	50538
880-26797-9	C-9 0-4.1	Total/NA	Solid	8015B NM	50538
880-26797-10	C-10 0-4.1	Total/NA	Solid	8015B NM	50538
MB 880-50538/1-A	Method Blank	Total/NA	Solid	8015B NM	50538
LCS 880-50538/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	50538
LCSD 880-50538/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	50538
880-26797-5 MS	C-5 4.1	Total/NA	Solid	8015B NM	50538
880-26797-5 MSD	C-5 4.1	Total/NA	Solid	8015B NM	50538

Analysis Batch: 50654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26797-1	C-1 4.1	Total/NA	Solid	8015B NM	50535
880-26797-2	C-2 4.1	Total/NA	Solid	8015B NM	50535
880-26797-3	C-3 4.1	Total/NA	Solid	8015B NM	50535
880-26797-4	C-4 4.1	Total/NA	Solid	8015B NM	50535

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

GC Semi VOA (Continued)

Analysis Batch: 50654 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-50535/1-A	Method Blank	Total/NA	Solid	8015B NM	50535
LCS 880-50535/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	50535
LCSD 880-50535/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	50535

Analysis Batch: 50762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26797-1	C-1 4.1	Total/NA	Solid	8015 NM	
880-26797-2	C-2 4.1	Total/NA	Solid	8015 NM	
880-26797-3	C-3 4.1	Total/NA	Solid	8015 NM	
880-26797-4	C-4 4.1	Total/NA	Solid	8015 NM	
880-26797-5	C-5 4.1	Total/NA	Solid	8015 NM	
880-26797-6	C-6 4.1	Total/NA	Solid	8015 NM	
880-26797-7	C-7 4.1	Total/NA	Solid	8015 NM	
880-26797-8	C-8 0-4.1	Total/NA	Solid	8015 NM	
880-26797-9	C-9 0-4.1	Total/NA	Solid	8015 NM	
880-26797-10	C-10 0-4.1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 50696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26797-1	C-1 4.1	Soluble	Solid	DI Leach	
880-26797-2	C-2 4.1	Soluble	Solid	DI Leach	
880-26797-3	C-3 4.1	Soluble	Solid	DI Leach	
880-26797-4	C-4 4.1	Soluble	Solid	DI Leach	
880-26797-5	C-5 4.1	Soluble	Solid	DI Leach	
880-26797-6	C-6 4.1	Soluble	Solid	DI Leach	
880-26797-7	C-7 4.1	Soluble	Solid	DI Leach	
880-26797-8	C-8 0-4.1	Soluble	Solid	DI Leach	
880-26797-9	C-9 0-4.1	Soluble	Solid	DI Leach	
880-26797-10	C-10 0-4.1	Soluble	Solid	DI Leach	
MB 880-50696/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-50696/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-50696/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26797-1 MS	C-1 4.1	Soluble	Solid	DI Leach	
880-26797-1 MSD	C-1 4.1	Soluble	Solid	DI Leach	

Analysis Batch: 50974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26797-1	C-1 4.1	Soluble	Solid	300.0	50696
880-26797-2	C-2 4.1	Soluble	Solid	300.0	50696
880-26797-3	C-3 4.1	Soluble	Solid	300.0	50696
880-26797-4	C-4 4.1	Soluble	Solid	300.0	50696
880-26797-5	C-5 4.1	Soluble	Solid	300.0	50696
880-26797-6	C-6 4.1	Soluble	Solid	300.0	50696
880-26797-7	C-7 4.1	Soluble	Solid	300.0	50696
880-26797-8	C-8 0-4.1	Soluble	Solid	300.0	50696
880-26797-9	C-9 0-4.1	Soluble	Solid	300.0	50696
880-26797-10	C-10 0-4.1	Soluble	Solid	300.0	50696
MB 880-50696/1-A	Method Blank	Soluble	Solid	300.0	50696
LCS 880-50696/2-A	Lab Control Sample	Soluble	Solid	300.0	50696

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

HPLC/IC (Continued)

Analysis Batch: 50974 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-50696/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	50696
880-26797-1 MS	C-1 4.1	Soluble	Solid	300.0	50696
880-26797-1 MSD	C-1 4.1	Soluble	Solid	300.0	50696

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Client Sample ID: C-1 4.1
Date Collected: 04/03/23 10:00
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	50827	04/10/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50945	04/12/23 11:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51001	04/12/23 15:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50762	04/09/23 22:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	50535	04/06/23 15:38	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50654	04/08/23 23:41	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	50696	04/08/23 15:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50974	04/11/23 20:55	SMC	EET MID

Client Sample ID: C-2 4.1
Date Collected: 04/03/23 10:10
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	50990	04/12/23 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50945	04/13/23 03:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51001	04/13/23 09:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50762	04/09/23 22:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50535	04/06/23 15:38	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50654	04/09/23 00:02	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	50696	04/08/23 15:09	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50974	04/11/23 21:08	SMC	EET MID

Client Sample ID: C-3 4.1
Date Collected: 04/03/23 10:15
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	50990	04/12/23 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50945	04/13/23 03:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51001	04/13/23 09:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50762	04/09/23 22:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50535	04/06/23 15:38	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50654	04/09/23 00:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	50696	04/08/23 15:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50974	04/11/23 21:13	SMC	EET MID

Client Sample ID: C-4 4.1
Date Collected: 04/03/23 10:17
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	50990	04/12/23 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50945	04/13/23 04:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51001	04/13/23 09:53	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Client Sample ID: C-4 4.1
Date Collected: 04/03/23 10:17
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			50762	04/09/23 22:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50535	04/06/23 15:38	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50654	04/09/23 00:45	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	50696	04/08/23 15:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50974	04/11/23 21:26	SMC	EET MID

Client Sample ID: C-5 4.1
Date Collected: 04/03/23 10:24
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	50990	04/12/23 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50945	04/13/23 04:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51001	04/13/23 09:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50762	04/09/23 22:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	50538	04/06/23 15:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50652	04/08/23 11:37	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	50696	04/08/23 15:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50974	04/11/23 21:31	SMC	EET MID

Client Sample ID: C-6 4.1
Date Collected: 04/03/23 10:30
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	50990	04/12/23 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50945	04/13/23 04:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51001	04/13/23 09:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50762	04/09/23 22:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50538	04/06/23 15:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50652	04/08/23 12:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	50696	04/08/23 15:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50974	04/11/23 21:35	SMC	EET MID

Client Sample ID: C-7 4.1
Date Collected: 04/03/23 10:35
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	50990	04/12/23 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50945	04/13/23 05:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51001	04/13/23 09:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50762	04/09/23 22:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	50538	04/06/23 15:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50652	04/08/23 13:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Client Sample ID: C-7 4.1
Date Collected: 04/03/23 10:35
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	50696	04/08/23 15:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50974	04/11/23 21:40	SMC	EET MID

Client Sample ID: C-8 0-4.1
Date Collected: 04/03/23 10:40
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	50990	04/12/23 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50945	04/13/23 05:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51001	04/13/23 09:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50762	04/09/23 22:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	50538	04/06/23 15:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50652	04/08/23 13:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	50696	04/08/23 15:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50974	04/11/23 21:45	SMC	EET MID

Client Sample ID: C-9 0-4.1
Date Collected: 04/03/23 10:47
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	50990	04/12/23 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50945	04/13/23 05:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51001	04/13/23 09:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50762	04/09/23 22:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50538	04/06/23 15:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50652	04/08/23 13:47	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	50696	04/08/23 15:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50974	04/11/23 21:49	SMC	EET MID

Client Sample ID: C-10 0-4.1
Date Collected: 04/03/23 10:54
Date Received: 04/05/23 08:31

Lab Sample ID: 880-26797-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	50990	04/12/23 12:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50945	04/13/23 06:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51001	04/13/23 09:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			50762	04/09/23 22:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50538	04/06/23 15:44	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50652	04/08/23 14:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	50696	04/08/23 15:09	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50974	04/11/23 21:54	SMC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-26797-1
Project/Site: Red Tanks SDG: 22-0104-05

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

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: Red Tanks

Job ID: 880-26797-1
SDG: 22-0104-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26797-1	C-1 4.1	Solid	04/03/23 10:00	04/05/23 08:31
880-26797-2	C-2 4.1	Solid	04/03/23 10:10	04/05/23 08:31
880-26797-3	C-3 4.1	Solid	04/03/23 10:15	04/05/23 08:31
880-26797-4	C-4 4.1	Solid	04/03/23 10:17	04/05/23 08:31
880-26797-5	C-5 4.1	Solid	04/03/23 10:24	04/05/23 08:31
880-26797-6	C-6 4.1	Solid	04/03/23 10:30	04/05/23 08:31
880-26797-7	C-7 4.1	Solid	04/03/23 10:35	04/05/23 08:31
880-26797-8	C-8 0-4.1	Solid	04/03/23 10:40	04/05/23 08:31
880-26797-9	C-9 0-4.1	Solid	04/03/23 10:47	04/05/23 08:31
880-26797-10	C-10 0-4.1	Solid	04/03/23 10:54	04/05/23 08:31

26797 No. 3029

CHAIN-OF-CUSTODY

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

DATE 4/5/2023 PAGE 1 OF 1
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME Red Tanks
LAI PROJECT # 22-0105-05 COLLECTOR DSG

Data Reported to

TRRP report? ☐ Yes ☒ No

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

TIME ZONE
Time zone/State
MNT/NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-1 4.1		4/3/23	1000	S	1				X		X		X	X	X														X		202
C-2 4.1			1010																												
C-3 4.1			1015																												
C-4 4.1			1017																												
C-5 4.1			1024																												
C-6 4.1			1030																												
C-7 4.1			1035																												
C-8 0-4.1			1040																												
C-9 0-4.1			1047																												
C-10 0-4.1			1054																												

TOTAL 10

880-26797 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Daniel Rivera	831 4/5/2023	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

LABORATORY XENCO

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

LABORATORY USE ONLY:
RECEIVING TEMP -4.9 -4.6 THERM# IR28 -30
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-26797-1
SDG Number: 22-0104-05

Login Number: 26797
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/27/2023 8:38:43 AM

JOB DESCRIPTION

Red Tanks
SDG NUMBER 22-0104-05

JOB NUMBER

880-29929-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Holly Taylor

Generated
6/27/2023 8:38:43 AM

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

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Laboratory Job ID: 880-29929-1
SDG: 22-0104-05

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-29929-1
Project/Site: Red Tanks SDG: 22-0104-05

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-29929-1
Project/Site: Red Tanks SDG: 22-0104-05

Job ID: 880-29929-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-29929-1

Receipt
The samples were received on 6/23/2023 8:27 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-17, 4.1' (880-29929-1), C-18, 4.1' (880-29929-2), C-19, 4.1' (880-29929-3), C-20, 4.1' (880-29929-4), C-21, 0-4.1' (880-29929-5), C-22, 0-4.1' (880-29929-6) and C-23, 0-4.1' (880-29929-7).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-56108/2-B). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-29929-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-56108 and analytical batch 880-56149 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-17, 4.1' (880-29929-1), C-18, 4.1' (880-29929-2), C-19, 4.1' (880-29929-3), C-20, 4.1' (880-29929-4) and C-21, 0-4.1' (880-29929-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

Client Sample ID: C-17, 4.1'

Date Collected: 06/16/23 11:00
Date Received: 06/23/23 08:27

Lab Sample ID: 880-29929-1
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		06/23/23 10:33	06/23/23 12:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/23/23 10:33	06/23/23 12:06	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		06/23/23 10:33	06/23/23 12:06	1
m,p-Xylenes	<0.00396	U F1	0.00396		mg/Kg		06/23/23 10:33	06/23/23 12:06	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		06/23/23 10:33	06/23/23 12:06	1
Xylenes, Total	<0.00396	U F1	0.00396		mg/Kg		06/23/23 10:33	06/23/23 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/23/23 10:33*	*06/23/23 12:06*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/23/23 10:33*	*06/23/23 12:06*	*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			06/26/23 08:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/27/23 09:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/23/23 14:53	06/26/23 13:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/23/23 14:53	06/26/23 13:52	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/23/23 14:53	06/26/23 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*124*		*70 - 130*	*06/23/23 14:53*	*06/26/23 13:52*	*1*
o-Terphenyl (Surr)	*136*	*S1+*	*70 - 130*	*06/23/23 14:53*	*06/26/23 13:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.3**		5.03		mg/Kg			06/23/23 18:06	1

Client Sample ID: C-18, 4.1'

Date Collected: 06/16/23 11:10
Date Received: 06/23/23 08:27

Lab Sample ID: 880-29929-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/23 10:33	06/23/23 12:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/23 10:33	06/23/23 12:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/23 10:33	06/23/23 12:27	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/23/23 10:33	06/23/23 12:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/23 10:33	06/23/23 12:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/23 10:33	06/23/23 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/23/23 10:33*	*06/23/23 12:27*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/23/23 10:33*	*06/23/23 12:27*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

Client Sample ID: C-18, 4.1'

Date Collected: 06/16/23 11:10
Date Received: 06/23/23 08:27

Lab Sample ID: 880-29929-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/26/23 08:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/23 09:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 14:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 14:15	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*124*		*70 - 130*	*06/23/23 14:53*	*06/26/23 14:15*	*1*
o-Terphenyl (Surr)	*137*	*S1+*	*70 - 130*	*06/23/23 14:53*	*06/26/23 14:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.6**		4.97		mg/Kg			06/23/23 18:24	1

Client Sample ID: C-19, 4.1'

Date Collected: 06/16/23 11:20
Date Received: 06/23/23 08:27

Lab Sample ID: 880-29929-3
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		06/23/23 10:33	06/23/23 12:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/23 10:33	06/23/23 12:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/23 10:33	06/23/23 12:48	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/23/23 10:33	06/23/23 12:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/23 10:33	06/23/23 12:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/23 10:33	06/23/23 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*06/23/23 10:33*	*06/23/23 12:48*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/23/23 10:33*	*06/23/23 12:48*	*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			06/26/23 08:48	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			06/27/23 09:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/26/23 14:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/26/23 14:39	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-29929-1
Project/Site: Red Tanks SDG: 22-0104-05

Client Sample ID: C-19, 4.1' Lab Sample ID: 880-29929-3

Date Collected: 06/16/23 11:20 **Matrix: Solid**
Date Received: 06/23/23 08:27

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/26/23 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*129*		*70 - 130*	*06/23/23 14:53*	*06/26/23 14:39*	*1*
o-Terphenyl (Surr)	*146*	*S1+*	*70 - 130*	*06/23/23 14:53*	*06/26/23 14:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		4.97		mg/Kg			06/23/23 18:30	1

Client Sample ID: C-20, 4.1' Lab Sample ID: 880-29929-4

Date Collected: 06/16/23 11:30 **Matrix: Solid**
Date Received: 06/23/23 08:27

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		06/23/23 10:33	06/23/23 13:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/23/23 10:33	06/23/23 13:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/23/23 10:33	06/23/23 13:09	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		06/23/23 10:33	06/23/23 13:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/23/23 10:33	06/23/23 13:09	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/23/23 10:33	06/23/23 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*06/23/23 10:33*	*06/23/23 13:09*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/23/23 10:33*	*06/23/23 13:09*	*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			06/26/23 08:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/23 09:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 15:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 15:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*139*	*S1+*	*70 - 130*	*06/23/23 14:53*	*06/26/23 15:02*	*1*
o-Terphenyl (Surr)	*151*	*S1+*	*70 - 130*	*06/23/23 14:53*	*06/26/23 15:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.5**		4.98		mg/Kg			06/23/23 18:36	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

Client Sample ID: C-21, 0-4.1'

Lab Sample ID: 880-29929-5
Matrix: Solid
Date Collected: 06/16/23 11:40
Date Received: 06/23/23 08:27

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/23 10:33	06/23/23 13:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/23 10:33	06/23/23 13:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 10:33	06/23/23 13:30	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		06/23/23 10:33	06/23/23 13:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 10:33	06/23/23 13:30	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/23 10:33	06/23/23 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/23/23 10:33*	*06/23/23 13:30*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/23/23 10:33*	*06/23/23 13:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/26/23 08:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/23 09:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 15:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 15:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*121*		*70 - 130*	*06/23/23 14:53*	*06/26/23 15:25*	*1*
o-Terphenyl (Surr)	*134*	*S1+*	*70 - 130*	*06/23/23 14:53*	*06/26/23 15:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.9**		4.98		mg/Kg			06/23/23 18:41	1

Client Sample ID: C-22, 0-4.1'

Lab Sample ID: 880-29929-6
Matrix: Solid
Date Collected: 06/16/23 11:50
Date Received: 06/23/23 08:27

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/23 10:33	06/23/23 13:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/23 10:33	06/23/23 13:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/23 10:33	06/23/23 13:51	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/23/23 10:33	06/23/23 13:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/23 10:33	06/23/23 13:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/23 10:33	06/23/23 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*06/23/23 10:33*	*06/23/23 13:51*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/23/23 10:33*	*06/23/23 13:51*	*1*

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-29929-1
Project/Site: Red Tanks SDG: 22-0104-05

Client Sample ID: C-22, 0-4.1' Lab Sample ID: 880-29929-6

Date Collected: 06/16/23 11:50 **Matrix: Solid**
Date Received: 06/23/23 08:27

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/26/23 08:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/27/23 09:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/23/23 14:53	06/26/23 16:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/23/23 14:53	06/26/23 16:12	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/23/23 14:53	06/26/23 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*112*		*70 - 130*	*06/23/23 14:53*	*06/26/23 16:12*	*1*
o-Terphenyl (Surr)	*126*		*70 - 130*	*06/23/23 14:53*	*06/26/23 16:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**157**		4.96		mg/Kg			06/23/23 18:59	1

Client Sample ID: C-23, 0-4.1' Lab Sample ID: 880-29929-7

Date Collected: 06/16/23 12:00 **Matrix: Solid**
Date Received: 06/23/23 08:27

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/23 10:33	06/23/23 14:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/23 10:33	06/23/23 14:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 10:33	06/23/23 14:12	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/23/23 10:33	06/23/23 14:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 10:33	06/23/23 14:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/23/23 10:33	06/23/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/23/23 10:33*	*06/23/23 14:12*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/23/23 10:33*	*06/23/23 14:12*	*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			06/26/23 08:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/23 09:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 16:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 16:35	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

Client Sample ID: C-23, 0-4.1'
Date Collected: 06/16/23 12:00
Date Received: 06/23/23 08:27

Lab Sample ID: 880-29929-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*06/23/23 14:53*	*06/26/23 16:35*	*1*
o-Terphenyl (Surr)	*121*		*70 - 130*	*06/23/23 14:53*	*06/26/23 16:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**121**		5.04		mg/Kg			06/23/23 19:05	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-29929-1	C-17, 4.1'	110	92										
880-29929-1 MS	C-17, 4.1'	120	86										
880-29929-1 MSD	C-17, 4.1'	157 S1+	82										
880-29929-2	C-18, 4.1'	111	95										
880-29929-3	C-19, 4.1'	113	95										
880-29929-4	C-20, 4.1'	119	98										
880-29929-5	C-21, 0-4.1'	107	94										
880-29929-6	C-22, 0-4.1'	115	97										
880-29929-7	C-23, 0-4.1'	110	97										
LCS 880-56108/1-B	Lab Control Sample	119	87										
LCSD 880-56108/2-B	Lab Control Sample Dup	134 S1+	86										
MB 880-56108/5-B	Method Blank	116	77										

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)										
880-29929-1	C-17, 4.1'	124	136 S1+										
880-29929-2	C-18, 4.1'	124	137 S1+										
880-29929-3	C-19, 4.1'	129	146 S1+										
880-29929-4	C-20, 4.1'	139 S1+	151 S1+										
880-29929-5	C-21, 0-4.1'	121	134 S1+										
880-29929-6	C-22, 0-4.1'	112	126										
880-29929-7	C-23, 0-4.1'	109	121										
LCS 880-56217/2-A	Lab Control Sample	97	109										
LCSD 880-56217/3-A	Lab Control Sample Dup	82	90										
MB 880-56217/1-A	Method Blank	88	102										

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56108/5-B
Matrix: Solid
Analysis Batch: 56149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56108

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/23 10:33	06/23/23 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/23 10:33	06/23/23 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 10:33	06/23/23 11:44	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/23/23 10:33	06/23/23 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 10:33	06/23/23 11:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/23 10:33	06/23/23 11:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*06/23/23 10:33*	*06/23/23 11:44*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*06/23/23 10:33*	*06/23/23 11:44*	*1*

Lab Sample ID: LCS 880-56108/1-B
Matrix: Solid
Analysis Batch: 56149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56108

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09466		mg/Kg		95	70 - 130		
Toluene			0.100	0.1144		mg/Kg		114	70 - 130		
Ethylbenzene			0.100	0.1123		mg/Kg		112	70 - 130		
m,p-Xylenes			0.200	0.2364		mg/Kg		118	70 - 130		
o-Xylene			0.100	0.1126		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: LCSD 880-56108/2-B
Matrix: Solid
Analysis Batch: 56149

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 56108

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09145		mg/Kg		91	70 - 130	3	35
Toluene			0.100	0.1180		mg/Kg		118	70 - 130	3	35
Ethylbenzene			0.100	0.1197		mg/Kg		120	70 - 130	6	35
m,p-Xylenes			0.200	0.2565		mg/Kg		128	70 - 130	8	35
o-Xylene			0.100	0.1219		mg/Kg		122	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: 880-29929-1 MS
Matrix: Solid
Analysis Batch: 56149

Client Sample ID: C-17, 4.1'
Prep Type: Total/NA
Prep Batch: 56108

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.0996	0.09813		mg/Kg		98	70 - 130		
Toluene	<0.00198	U	0.0996	0.1190		mg/Kg		119	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-29929-1
Project/Site: Red Tanks SDG: 22-0104-05

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

Lab Sample ID: 880-29929-1 MS **Client Sample ID: C-17, 4.1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 56149 **Prep Batch: 56108**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U F1	0.0996	0.1162		mg/Kg		117	70 - 130
m,p-Xylenes	<0.00396	U F1	0.199	0.2424		mg/Kg		122	70 - 130
o-Xylene	<0.00198	U F1	0.0996	0.1144		mg/Kg		115	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: 880-29929-1 MSD **Client Sample ID: C-17, 4.1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 56149 **Prep Batch: 56108**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0998	0.08290		mg/Kg		83	70 - 130	17	35
Toluene	<0.00198	U	0.0998	0.1191		mg/Kg		119	70 - 130	0	35
Ethylbenzene	<0.00198	U F1	0.0998	0.1349	F1	mg/Kg		135	70 - 130	15	35
m,p-Xylenes	<0.00396	U F1	0.200	0.3095	F1	mg/Kg		155	70 - 130	24	35
o-Xylene	<0.00198	U F1	0.0998	0.1482	F1	mg/Kg		149	70 - 130	26	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*

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

Lab Sample ID: MB 880-56217/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 56266 **Prep Batch: 56217**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/23/23 14:53	06/26/23 08:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/23/23 14:53	06/26/23 08:31	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/23/23 14:53	06/26/23 08:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*88*		*70 - 130*	*06/23/23 14:53*	*06/26/23 08:31*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*06/23/23 14:53*	*06/26/23 08:31*	*1*

Lab Sample ID: LCS 880-56217/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 56266 **Prep Batch: 56217**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	950.7		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	939.4		mg/Kg		94	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

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

Lab Sample ID: LCS 880-56217/2-A
Matrix: Solid
Analysis Batch: 56266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56217

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-56217/3-A
Matrix: Solid
Analysis Batch: 56266

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 56217

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	939.8		mg/Kg		94	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	899.1		mg/Kg		90	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	82		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56168/1-A
Matrix: Solid
Analysis Batch: 56220

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/23/23 17:49	1

Lab Sample ID: LCS 880-56168/2-A
Matrix: Solid
Analysis Batch: 56220

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.3		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-56168/3-A
Matrix: Solid
Analysis Batch: 56220

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	248.9		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-29929-1 MS
Matrix: Solid
Analysis Batch: 56220

Client Sample ID: C-17, 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	85.3		252	347.9		mg/Kg		104	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-29929-1 MSD
Matrix: Solid
Analysis Batch: 56220

Client Sample ID: C-17, 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	85.3		252	345.3		mg/Kg		103	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

GC VOA

Prep Batch: 56108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29929-1	C-17, 4.1'	Total/NA	Solid	5035	
880-29929-2	C-18, 4.1'	Total/NA	Solid	5035	
880-29929-3	C-19, 4.1'	Total/NA	Solid	5035	
880-29929-4	C-20, 4.1'	Total/NA	Solid	5035	
880-29929-5	C-21, 0-4.1'	Total/NA	Solid	5035	
880-29929-6	C-22, 0-4.1'	Total/NA	Solid	5035	
880-29929-7	C-23, 0-4.1'	Total/NA	Solid	5035	
MB 880-56108/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-56108/1-B	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56108/2-B	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29929-1 MS	C-17, 4.1'	Total/NA	Solid	5035	
880-29929-1 MSD	C-17, 4.1'	Total/NA	Solid	5035	

Analysis Batch: 56149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29929-1	C-17, 4.1'	Total/NA	Solid	8021B	56108
880-29929-2	C-18, 4.1'	Total/NA	Solid	8021B	56108
880-29929-3	C-19, 4.1'	Total/NA	Solid	8021B	56108
880-29929-4	C-20, 4.1'	Total/NA	Solid	8021B	56108
880-29929-5	C-21, 0-4.1'	Total/NA	Solid	8021B	56108
880-29929-6	C-22, 0-4.1'	Total/NA	Solid	8021B	56108
880-29929-7	C-23, 0-4.1'	Total/NA	Solid	8021B	56108
MB 880-56108/5-B	Method Blank	Total/NA	Solid	8021B	56108
LCS 880-56108/1-B	Lab Control Sample	Total/NA	Solid	8021B	56108
LCSD 880-56108/2-B	Lab Control Sample Dup	Total/NA	Solid	8021B	56108
880-29929-1 MS	C-17, 4.1'	Total/NA	Solid	8021B	56108
880-29929-1 MSD	C-17, 4.1'	Total/NA	Solid	8021B	56108

Analysis Batch: 56268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29929-1	C-17, 4.1'	Total/NA	Solid	Total BTEX	
880-29929-2	C-18, 4.1'	Total/NA	Solid	Total BTEX	
880-29929-3	C-19, 4.1'	Total/NA	Solid	Total BTEX	
880-29929-4	C-20, 4.1'	Total/NA	Solid	Total BTEX	
880-29929-5	C-21, 0-4.1'	Total/NA	Solid	Total BTEX	
880-29929-6	C-22, 0-4.1'	Total/NA	Solid	Total BTEX	
880-29929-7	C-23, 0-4.1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 56217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29929-1	C-17, 4.1'	Total/NA	Solid	8015NM Prep	
880-29929-2	C-18, 4.1'	Total/NA	Solid	8015NM Prep	
880-29929-3	C-19, 4.1'	Total/NA	Solid	8015NM Prep	
880-29929-4	C-20, 4.1'	Total/NA	Solid	8015NM Prep	
880-29929-5	C-21, 0-4.1'	Total/NA	Solid	8015NM Prep	
880-29929-6	C-22, 0-4.1'	Total/NA	Solid	8015NM Prep	
880-29929-7	C-23, 0-4.1'	Total/NA	Solid	8015NM Prep	
MB 880-56217/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56217/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

GC Semi VOA (Continued)

Prep Batch: 56217 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-56217/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29929-1	C-17, 4.1'	Total/NA	Solid	8015B NM	56217
880-29929-2	C-18, 4.1'	Total/NA	Solid	8015B NM	56217
880-29929-3	C-19, 4.1'	Total/NA	Solid	8015B NM	56217
880-29929-4	C-20, 4.1'	Total/NA	Solid	8015B NM	56217
880-29929-5	C-21, 0-4.1'	Total/NA	Solid	8015B NM	56217
880-29929-6	C-22, 0-4.1'	Total/NA	Solid	8015B NM	56217
880-29929-7	C-23, 0-4.1'	Total/NA	Solid	8015B NM	56217
MB 880-56217/1-A	Method Blank	Total/NA	Solid	8015B NM	56217
LCS 880-56217/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56217
LCSD 880-56217/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56217

Analysis Batch: 56384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29929-1	C-17, 4.1'	Total/NA	Solid	8015 NM	
880-29929-2	C-18, 4.1'	Total/NA	Solid	8015 NM	
880-29929-3	C-19, 4.1'	Total/NA	Solid	8015 NM	
880-29929-4	C-20, 4.1'	Total/NA	Solid	8015 NM	
880-29929-5	C-21, 0-4.1'	Total/NA	Solid	8015 NM	
880-29929-6	C-22, 0-4.1'	Total/NA	Solid	8015 NM	
880-29929-7	C-23, 0-4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 56168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29929-1	C-17, 4.1'	Soluble	Solid	DI Leach	
880-29929-2	C-18, 4.1'	Soluble	Solid	DI Leach	
880-29929-3	C-19, 4.1'	Soluble	Solid	DI Leach	
880-29929-4	C-20, 4.1'	Soluble	Solid	DI Leach	
880-29929-5	C-21, 0-4.1'	Soluble	Solid	DI Leach	
880-29929-6	C-22, 0-4.1'	Soluble	Solid	DI Leach	
880-29929-7	C-23, 0-4.1'	Soluble	Solid	DI Leach	
MB 880-56168/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56168/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56168/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29929-1 MS	C-17, 4.1'	Soluble	Solid	DI Leach	
880-29929-1 MSD	C-17, 4.1'	Soluble	Solid	DI Leach	

Analysis Batch: 56220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29929-1	C-17, 4.1'	Soluble	Solid	300.0	56168
880-29929-2	C-18, 4.1'	Soluble	Solid	300.0	56168
880-29929-3	C-19, 4.1'	Soluble	Solid	300.0	56168
880-29929-4	C-20, 4.1'	Soluble	Solid	300.0	56168
880-29929-5	C-21, 0-4.1'	Soluble	Solid	300.0	56168
880-29929-6	C-22, 0-4.1'	Soluble	Solid	300.0	56168
880-29929-7	C-23, 0-4.1'	Soluble	Solid	300.0	56168

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-29929-1
Project/Site: Red Tanks SDG: 22-0104-05

HPLC/IC (Continued)

Analysis Batch: 56220 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56168/1-A	Method Blank	Soluble	Solid	300.0	56168
LCS 880-56168/2-A	Lab Control Sample	Soluble	Solid	300.0	56168
LCSD 880-56168/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56168
880-29929-1 MS	C-17, 4.1'	Soluble	Solid	300.0	56168
880-29929-1 MSD	C-17, 4.1'	Soluble	Solid	300.0	56168

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

Client Sample ID: C-17, 4.1'

Lab Sample ID: 880-29929-1
Matrix: Solid
Date Collected: 06/16/23 11:00
Date Received: 06/23/23 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	56108	06/23/23 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56149	06/23/23 12:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56268	06/26/23 08:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			56384	06/27/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56217	06/23/23 14:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56266	06/26/23 13:52	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56168	06/23/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			56220	06/23/23 18:06	CH	EET MID

Client Sample ID: C-18, 4.1'

Lab Sample ID: 880-29929-2
Matrix: Solid
Date Collected: 06/16/23 11:10
Date Received: 06/23/23 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	56108	06/23/23 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56149	06/23/23 12:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56268	06/26/23 08:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			56384	06/27/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56217	06/23/23 14:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56266	06/26/23 14:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56168	06/23/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			56220	06/23/23 18:24	CH	EET MID

Client Sample ID: C-19, 4.1'

Lab Sample ID: 880-29929-3
Matrix: Solid
Date Collected: 06/16/23 11:20
Date Received: 06/23/23 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	56108	06/23/23 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56149	06/23/23 12:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56268	06/26/23 08:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			56384	06/27/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56217	06/23/23 14:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56266	06/26/23 14:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56168	06/23/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			56220	06/23/23 18:30	CH	EET MID

Client Sample ID: C-20, 4.1'

Lab Sample ID: 880-29929-4
Matrix: Solid
Date Collected: 06/16/23 11:30
Date Received: 06/23/23 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	56108	06/23/23 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56149	06/23/23 13:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56268	06/26/23 08:48	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

Client Sample ID: C-20, 4.1'

Lab Sample ID: 880-29929-4
Matrix: Solid
Date Collected: 06/16/23 11:30
Date Received: 06/23/23 08:27

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			56384	06/27/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56217	06/23/23 14:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56266	06/26/23 15:02	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56168	06/23/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			56220	06/23/23 18:36	CH	EET MID

Client Sample ID: C-21, 0-4.1'

Lab Sample ID: 880-29929-5
Matrix: Solid
Date Collected: 06/16/23 11:40
Date Received: 06/23/23 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	56108	06/23/23 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56149	06/23/23 13:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56268	06/26/23 08:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			56384	06/27/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56217	06/23/23 14:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56266	06/26/23 15:25	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56168	06/23/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			56220	06/23/23 18:41	CH	EET MID

Client Sample ID: C-22, 0-4.1'

Lab Sample ID: 880-29929-6
Matrix: Solid
Date Collected: 06/16/23 11:50
Date Received: 06/23/23 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	56108	06/23/23 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56149	06/23/23 13:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56268	06/26/23 08:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			56384	06/27/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56217	06/23/23 14:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56266	06/26/23 16:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56168	06/23/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			56220	06/23/23 18:59	CH	EET MID

Client Sample ID: C-23, 0-4.1'

Lab Sample ID: 880-29929-7
Matrix: Solid
Date Collected: 06/16/23 12:00
Date Received: 06/23/23 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	56108	06/23/23 10:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56149	06/23/23 14:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56268	06/26/23 08:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			56384	06/27/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56217	06/23/23 14:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56266	06/26/23 16:35	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

Client Sample ID: C-23, 0-4.1'

Date Collected: 06/16/23 12:00
Date Received: 06/23/23 08:27

Lab Sample ID: 880-29929-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	56168	06/23/23 09:55	KS	EET MID
Soluble	Analysis	300.0		1			56220	06/23/23 19:05	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-29929-1
Project/Site: Red Tanks SDG: 22-0104-05

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-29929-1
Project/Site: Red Tanks SDG: 22-0104-05

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: Red Tanks

Job ID: 880-29929-1
SDG: 22-0104-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29929-1	C-17, 4.1'	Solid	06/16/23 11:00	06/23/23 08:27
880-29929-2	C-18, 4.1'	Solid	06/16/23 11:10	06/23/23 08:27
880-29929-3	C-19, 4.1'	Solid	06/16/23 11:20	06/23/23 08:27
880-29929-4	C-20, 4.1'	Solid	06/16/23 11:30	06/23/23 08:27
880-29929-5	C-21, 0-4.1'	Solid	06/16/23 11:40	06/23/23 08:27
880-29929-6	C-22, 0-4.1'	Solid	06/16/23 11:50	06/23/23 08:27
880-29929-7	C-23, 0-4.1'	Solid	06/16/23 12:00	06/23/23 08:27

29929 No. 3085

CHAIN-OF-CUSTODY

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

DATE 6-21-23 PAGE 1 OF 1
PO# LAB WORK ORDER#
PROJECT LOCATION OR NAME Red Tanks
LAI PROJECT # 32-0104-05 COLLECTOR: KG
Data Reported to

TRRP report? ☐ Yes ☒ No
TIME ZONE: Time zone/State MST/NM

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO3	H2SO4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015	DIESEL - MOD 8015	OIL - MOD 8015	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-17, 4.1'		6.16.23	1100	S	1				X		X			X	X	X													X		TPH
C-18, 4.1'			1110																												
C-19, 4.1'			1120																												
C-20, 4.1'			1130																												
C-21, 0-4.1'			1140																												
C-22, 0-4.1'			1150																												
C-23, 0-4.1'			1200																												
TOTAL																															

880-29929 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME 6-23-23 0821	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
LABORATORY Xenco		

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐ 3day

LABORATORY USE ONLY:
RECEIVING TEMP 3.2/2.7 THERM# IR8-3
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-29929-1
SDG Number: 22-0104-05

Login Number: 29929
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/10/2023 2:09:10 PM

JOB DESCRIPTION

Red Tanks
SDG NUMBER 22-0104-05

JOB NUMBER

880-30377-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Holly Taylor

Generated
7/10/2023 2:09:10 PM

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

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Laboratory Job ID: 880-30377-1
SDG: 22-0104-05

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-30377-1
Project/Site: Red Tanks SDG: 22-0104-05

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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: Red Tanks

Job ID: 880-30377-1
SDG: 22-0104-05

Job ID: 880-30377-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-30377-1

Receipt
The samples were received on 7/6/2023 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 1.0°C

Receipt Exceptions
The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: BF-1 (880-30377-1) and BF-2 (880-30377-2).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-57090/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-57060 and 880-57090 and analytical batch 880-57044 recovered outside control limits for the following analytes: Toluene. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-57044 recovered below the lower control limit for Benzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-57044/20).

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-57131 and analytical batch 880-57222 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-57222/20), (CCV 880-57222/31) and (CCV 880-57222/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-57131 and analytical batch 880-57222 contained Diesel Range Organics (Over C10-C28) and OII Range Organics (Over C28-C36) 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.

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: Red Tanks

Job ID: 880-30377-1
SDG: 22-0104-05

Client Sample ID: BF-1

Date Collected: 07/05/23 10:55
Date Received: 07/06/23 09:15

Lab Sample ID: 880-30377-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/06/23 12:35	07/07/23 08:32	1
Toluene	<0.00198	U *+	0.00198		mg/Kg		07/06/23 12:35	07/07/23 08:32	1
Ethylbenzene	<0.00198	U *+	0.00198		mg/Kg		07/06/23 12:35	07/07/23 08:32	1
m,p-Xylenes	<0.00396	U *+ *1	0.00396		mg/Kg		07/06/23 12:35	07/07/23 08:32	1
o-Xylene	<0.00198	U *+ *1	0.00198		mg/Kg		07/06/23 12:35	07/07/23 08:32	1
Xylenes, Total	<0.00396	U *+ *1	0.00396		mg/Kg		07/06/23 12:35	07/07/23 08:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/06/23 12:35*	*07/07/23 08:32*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*07/06/23 12:35*	*07/07/23 08:32*	*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			07/07/23 10:20	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			07/10/23 14:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		07/07/23 09:45	07/08/23 21:19	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		07/07/23 09:45	07/08/23 21:19	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		07/07/23 09:45	07/08/23 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*07/07/23 09:45*	*07/08/23 21:19*	*1*
o-Terphenyl (Surr)	*117*		*70 - 130*	*07/07/23 09:45*	*07/08/23 21:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		25.0		mg/Kg			07/08/23 00:33	5

Client Sample ID: BF-2

Date Collected: 07/05/23 11:00
Date Received: 07/06/23 09:15

Lab Sample ID: 880-30377-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/06/23 12:35	07/07/23 08:53	1
Toluene	<0.00199	U *+	0.00199		mg/Kg		07/06/23 12:35	07/07/23 08:53	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		07/06/23 12:35	07/07/23 08:53	1
m,p-Xylenes	<0.00398	U *+ *1	0.00398		mg/Kg		07/06/23 12:35	07/07/23 08:53	1
o-Xylene	<0.00199	U *+ *1	0.00199		mg/Kg		07/06/23 12:35	07/07/23 08:53	1
Xylenes, Total	<0.00398	U *+ *1	0.00398		mg/Kg		07/06/23 12:35	07/07/23 08:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/06/23 12:35*	*07/07/23 08:53*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*07/06/23 12:35*	*07/07/23 08:53*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-30377-1
SDG: 22-0104-05

Client Sample ID: BF-2

Date Collected: 07/05/23 11:00
Date Received: 07/06/23 09:15

Lab Sample ID: 880-30377-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/07/23 10:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/10/23 14:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/07/23 09:45	07/08/23 21:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/07/23 09:45	07/08/23 21:41	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/07/23 09:45	07/08/23 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*07/07/23 09:45*	*07/08/23 21:41*	*1*
o-Terphenyl (Surr)	*107*		*70 - 130*	*07/07/23 09:45*	*07/08/23 21:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.0**		4.98		mg/Kg			07/08/23 00:38	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-30377-1
SDG: 22-0104-05

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-30377-1	BF-1	114	106
880-30377-2	BF-2	108	107
LCS 880-57090/1-A	Lab Control Sample	103	105
LCSD 880-57090/2-A	Lab Control Sample Dup	143 S1+	108
MB 880-57060/5-A	Method Blank	84	104
MB 880-57090/5-A	Method Blank	87	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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-30377-1	BF-1	104	117
880-30377-2	BF-2	94	107
LCS 880-57131/2-A	Lab Control Sample	86	96
LCSD 880-57131/3-A	Lab Control Sample Dup	100	110
MB 880-57131/1-A	Method Blank	143 S1+	160 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-30377-1
SDG: 22-0104-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-57060/5-A
Matrix: Solid
Analysis Batch: 57044

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57060

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/06/23 09:37	07/06/23 14:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/06/23 09:37	07/06/23 14:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/06/23 09:37	07/06/23 14:11	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/06/23 09:37	07/06/23 14:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/06/23 09:37	07/06/23 14:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/06/23 09:37	07/06/23 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*07/06/23 09:37*	*07/06/23 14:11*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*07/06/23 09:37*	*07/06/23 14:11*	*1*

Lab Sample ID: MB 880-57090/5-A
Matrix: Solid
Analysis Batch: 57044

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57090

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/06/23 12:35	07/07/23 00:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/06/23 12:35	07/07/23 00:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/06/23 12:35	07/07/23 00:55	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		07/06/23 12:35	07/07/23 00:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/06/23 12:35	07/07/23 00:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/06/23 12:35	07/07/23 00:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*07/06/23 12:35*	*07/07/23 00:55*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*07/06/23 12:35*	*07/07/23 00:55*	*1*

Lab Sample ID: LCS 880-57090/1-A
Matrix: Solid
Analysis Batch: 57044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57090

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1116		mg/Kg		112	70 - 130		
Toluene			0.100	0.1212		mg/Kg		121	70 - 130		
Ethylbenzene			0.100	0.1080		mg/Kg		108	70 - 130		
m,p-Xylenes			0.200	0.2271		mg/Kg		114	70 - 130		
o-Xylene			0.100	0.1102		mg/Kg		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-57090/2-A
Matrix: Solid
Analysis Batch: 57044

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 57090

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1069		mg/Kg		107	70 - 130	4	35

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-30377-1
Project/Site: Red Tanks SDG: 22-0104-05

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

Lab Sample ID: LCSD 880-57090/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57044 **Prep Batch: 57090**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1356	*+	mg/Kg		136	70 - 130	11	35
Ethylbenzene			0.100	0.1434	*+	mg/Kg		143	70 - 130	28	35
m,p-Xylenes			0.200	0.3302	*+ *1	mg/Kg		165	70 - 130	37	35
o-Xylene			0.100	0.1605	*+ *1	mg/Kg		161	70 - 130	37	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

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

Lab Sample ID: MB 880-57131/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57222 **Prep Batch: 57131**

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		07/07/23 09:45	07/08/23 11:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/07/23 09:45	07/08/23 11:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/07/23 09:45	07/08/23 11:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*143*	*S1+*	*70 - 130*	*07/07/23 09:45*	*07/08/23 11:12*	*1*
o-Terphenyl (Surr)	*160*	*S1+*	*70 - 130*	*07/07/23 09:45*	*07/08/23 11:12*	*1*

Lab Sample ID: LCS 880-57131/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57222 **Prep Batch: 57131**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	916.2		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	932.5		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*86*		*70 - 130*
o-Terphenyl (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-57131/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57222 **Prep Batch: 57131**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	975.3		mg/Kg		98	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	942.4		mg/Kg		94	70 - 130	1	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-30377-1
Project/Site: Red Tanks SDG: 22-0104-05

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

Lab Sample ID: LCSD 880-57131/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 57222 **Prep Batch: 57131**

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	*100*		*70 - 130*
o-Terphenyl (Surr)	*110*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-57101/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 57193

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/07/23 22:20	1

Lab Sample ID: LCS 880-57101/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 57193

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	256.1		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-57101/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 57193

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	257.1		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-30377-1
Project/Site: Red Tanks SDG: 22-0104-05

GC VOA

Analysis Batch: 57044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30377-1	BF-1	Total/NA	Solid	8021B	57090
880-30377-2	BF-2	Total/NA	Solid	8021B	57090
MB 880-57060/5-A	Method Blank	Total/NA	Solid	8021B	57060
MB 880-57090/5-A	Method Blank	Total/NA	Solid	8021B	57090
LCS 880-57090/1-A	Lab Control Sample	Total/NA	Solid	8021B	57090
LCSD 880-57090/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	57090

Prep Batch: 57060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-57060/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 57090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30377-1	BF-1	Total/NA	Solid	5035	
880-30377-2	BF-2	Total/NA	Solid	5035	
MB 880-57090/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-57090/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-57090/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 57152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30377-1	BF-1	Total/NA	Solid	Total BTEX	
880-30377-2	BF-2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 57131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30377-1	BF-1	Total/NA	Solid	8015NM Prep	
880-30377-2	BF-2	Total/NA	Solid	8015NM Prep	
MB 880-57131/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-57131/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-57131/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 57222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30377-1	BF-1	Total/NA	Solid	8015B NM	57131
880-30377-2	BF-2	Total/NA	Solid	8015B NM	57131
MB 880-57131/1-A	Method Blank	Total/NA	Solid	8015B NM	57131
LCS 880-57131/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	57131
LCSD 880-57131/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	57131

Analysis Batch: 57331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30377-1	BF-1	Total/NA	Solid	8015 NM	
880-30377-2	BF-2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 57101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30377-1	BF-1	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-30377-1
Project/Site: Red Tanks SDG: 22-0104-05

HPLC/IC (Continued)

Leach Batch: 57101 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30377-2	BF-2	Soluble	Solid	DI Leach	
MB 880-57101/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57101/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57101/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 57193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30377-1	BF-1	Soluble	Solid	300.0	57101
880-30377-2	BF-2	Soluble	Solid	300.0	57101
MB 880-57101/1-A	Method Blank	Soluble	Solid	300.0	57101
LCS 880-57101/2-A	Lab Control Sample	Soluble	Solid	300.0	57101
LCSD 880-57101/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57101

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Red Tanks

Job ID: 880-30377-1
SDG: 22-0104-05

Client Sample ID: BF-1

Date Collected: 07/05/23 10:55
Date Received: 07/06/23 09:15

Lab Sample ID: 880-30377-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	57090	07/06/23 12:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57044	07/07/23 08:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57152	07/07/23 10:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			57331	07/10/23 14:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	57131	07/07/23 09:45	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57222	07/08/23 21:19	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57101	07/06/23 14:59	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	57193	07/08/23 00:33	CH	EET MID

Client Sample ID: BF-2

Date Collected: 07/05/23 11:00
Date Received: 07/06/23 09:15

Lab Sample ID: 880-30377-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	57090	07/06/23 12:35	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57044	07/07/23 08:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57152	07/07/23 10:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			57331	07/10/23 14:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	57131	07/07/23 09:45	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57222	07/08/23 21:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57101	07/06/23 14:59	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	57193	07/08/23 00:38	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-30377-1
Project/Site: Red Tanks SDG: 22-0104-05

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

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

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-30377-1
Project/Site: Red Tanks SDG: 22-0104-05

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: Red Tanks

Job ID: 880-30377-1
SDG: 22-0104-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30377-1	BF-1	Solid	07/05/23 10:55	07/06/23 09:15
880-30377-2	BF-2	Solid	07/05/23 11:00	07/06/23 09:15

30377

No. 2504

CHAIN-OF-CUSTODY

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

DATE: 7/6/2023 PAGE 1 OF 1

PO# _____ LAB WORK ORDER#: _____

PROJECT LOCATION OR NAME: Red Tanks

LAI PROJECT #: 22-0104-05 COLLECTOR: DSG

Data Reported to

TRRP report? ☐ Yes ☒ No

TIME ZONE Time zone/State: MNT / NM

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

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D W 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
BF-1		7/5/23	1055	S	1				X		X		X	X	X													X		202
BF-2		7/5/23	1100	S	1				X		X		X	X	X													X		

880-30377 Chain of Custody

TOTAL 2

RELINQUISHED BY (Signature)	DATE/TIME 7/6/23 915	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
LABORATORY Xenco		

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

LABORATORY USE ONLY:
RECEIVING TEMP 1.3/1.0 THERM# IR8 -05
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-30377-1
SDG Number: 22-0104-05

Login Number: 30377
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

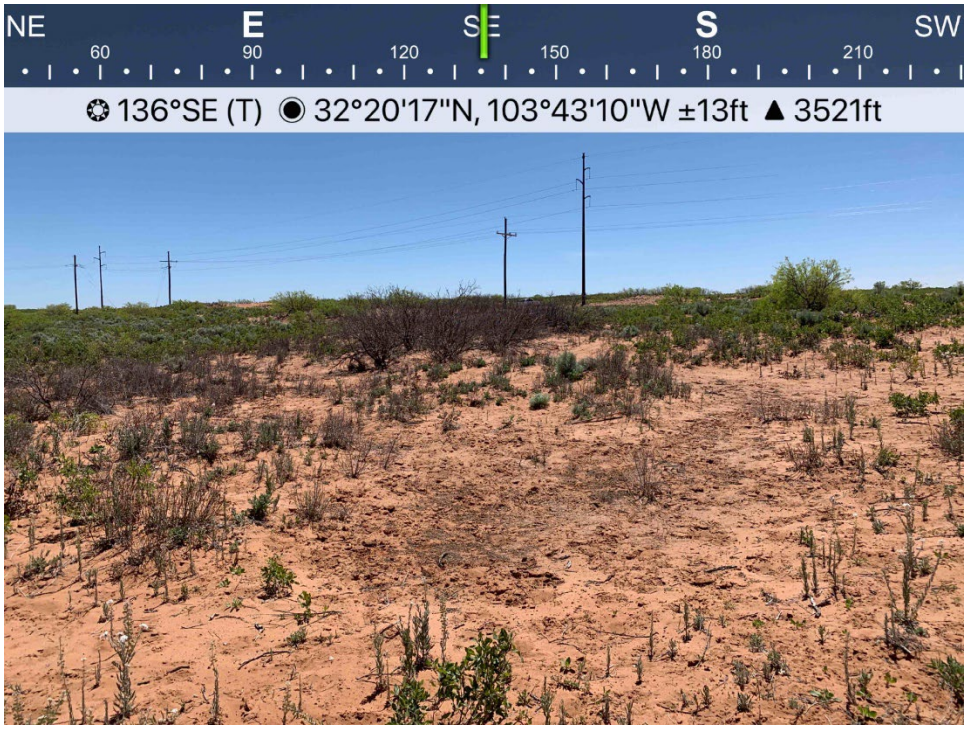
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Appendix G

Photographic Documentation

Spill area viewing northeast, April 16, 2020

Spill area viewing southeast, April 16, 2020



Spill area viewing southeast, April 16, 2020

Spill area viewing west, April 16, 2020

Spill area viewing northwest, April 16, 2020

Aerial view of excavated areas, April 12, 2023

Aerial view of excavated areas, April 12, 2023

Remaining excavated area viewing east, June 16, 2023

Remaining excavated area viewing west, June 16, 2023

Backfilled and seeded excavation areas, July 5, 2023

Backfilled and seeded excavation areas, July 5, 2023

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

CONDITIONS

Action 241397

CONDITIONS

Operator: SELECT ENERGY SERVICES, LLC PO Box 1715 Gainesville, TX 76240	OGRID: 289068
	Action Number: 241397
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given on 10/06/2023. Release resolved.	10/6/2023