

Incident ID	nAB1727856058
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>25.25</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

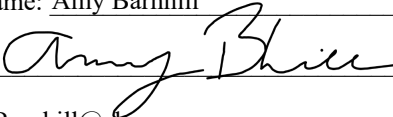
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods,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

State of New Mexico
Oil Conservation Division

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

Printed Name: Amy Barnhill Title: Waste and Water Specialist
Signature:  Date: 1-24-22
email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

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Remediation Plan

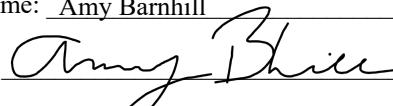
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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

Printed Name: Amy Barnhill Title: Waste and Water Specialist
Signature:  Date: 1-24-22
email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

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

Signature:  Date: 04/18/2022

Tracking Number: nAB1727856058
Delineation Report and Remediation Plan
Skeen 2 26 27 State #003H
Crude Oil and Produced Water Release
Eddy County, New Mexico

Latitude: N 32.078465°
Longitude: W -104.158775°

LAI Project No. 21-0100-08

January 12, 2021

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

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



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



Robert Nelson
Sr. Geoscientist

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Appendix B	Karst Risk Potential
Appendix C	Soil Boring Log
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Tracking Number: nAB1727856058
Delineation Report and Remediation Plan
Chevron USA, Inc., Skeen 2 26 27 State #003H
Crude Oil and Produced Water Release
January 12, 2021

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this delineation report and remediation plan on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (OCD) District II for a crude oil and produced water release at the Skeen 2 26 27 State #003H (Site) located in Unit B (NW/4, NE/4), Section 2, Township 26 South, Range 27 East in Eddy County, New Mexico. The geodetic position is North 32.078465° and West -104.158775°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on September 21, 2017 and occurred due to a stuffing box blowout. Chevron reported that 9 barrels (bbls) of crude oil and 6 bbls of produced water were released with no recovery. The initial C-141 was submitted to OCD District II on October 4, 2017 and assigned incident number nAB1727856058. Appendix A presents the Chevron initial C-141.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,187 feet above mean sea level (msl).
- The surface elevation gradually decreases to the east.
- There are no surface water features within 1,000 feet of the Site.
- Karst data provided by the USGS describes the Site as “high risk” potential.
- The soils are designated as Reeves-Reagan loams, 0 to 3 percent slopes, consisting of 0 to 8 inches of loam, underlain by 8 to 32 inches of clay loam and 32 to 60 inches of gypsiferous material.
- The geology is Rustler Formation (Upper Permian) – Siltstone, gypsum, sandstone, and dolomite.
- Groundwater occurs greater than 25.25 feet below ground surface (bgs) based on depth to groundwater measurements 72 hours after installing a temporary groundwater bore (BH-1) on April 29, 2020.

Appendix B presents USGS data depicting karst risk potential. Appendix C 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 100 mg/Kg
- Chloride 600 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.

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 Delineation Report and Remediation Plan
 Chevron USA, Inc., Skeen 2 26 27 State #003H
 Crude Oil and Produced Water Release
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2.0 DELINEATION

On March 19, 2021, LAI personnel used a stainless-steel hand auger to collect soil samples from eight (8) locations inside of the spill area (S-1 through S-8) and in each cardinal direction of the spill (S-9 through S-12). The samples were collected at approximately 0.5 bgs. The soil samples were delivered under chain of custody and preservation to Xenco Laboratories (Xenco) in Midland, Texas, which analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX) and total petroleum hydrocarbons (TPH), including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35), and chloride by EPA SW-846 Methods 8021B and 8015M, and M300, respectively.

Benzene and BTEX were below the OCD remediation standards in Table 1 (19.15.29 NMAC) of 10 milligrams per kilogram (mg/Kg) and 50 mg/Kg, respectively. TPH and chloride exceeded the OCD delineation limit of 600 mg/Kg in the following samples:

Sample ID	Depth (Feet)	TPH Concentration (mg/Kg)	Chloride Concentration (mg/Kg)
S-1	0.5	--	1,510
S-2	0.5	975	949
S-3	0.5	362	--
S-4	0.5	173	8,050
S-5	0.5	2,540	5,910
S-6	0.5	1,900	--
S-7	0.5	209	818
S-8	0.5	144	3,400
S-10	0.5	184	--

On June 8 and 9, 2021, LAI personnel used a Geoprobe® 7822DT direct push rig to further delineate chloride at sample locations S-1 through S-8, S-10 and collect an additional horizontal delineation soil sample at S-13. Soil samples were collected from each location at depths of approximately one (1), three (3), five (5), and ten (10) feet bgs. The horizontal delineation soil sample from S-13 was collected at a depth of approximately 0.5 feet bgs. The additional horizontal delineation soil sample (S-13) remained above the delineation requirements for TPH (100 mg/Kg) at 318 mg/Kg.

On November 29, 2021, LAI personnel further delineated sample location S-13 to a maximum depth of approximately nine (9) feet bgs and collected an additional horizontal delineation soil sample S-14 from one (1) foot bgs to nine (9) feet bgs. The laboratory results demonstrate the release was delineated according to the OCD remediation and closure requirements (19.15.29.12 NMAC Table 1) for groundwater less than 50 feet bgs. Figure 2 presents an aerial map showing the sample locations. Appendix D presents the laboratory reports.

3.0 Remediation Plan

Chevron proposes the following remedial actions:

- Excavate soil from an area encompassing S-3, S-6, S-10, and S-13 to a depth of 1 feet bgs.
- Excavate soil from an area encompassing S-4, S-5, and S-8 to a depth of 1.5 feet bgs.

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- Excavate soil from an area encompassing S-1, S-2, and S-7 to a depth of 5.5 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 top within the ROW assuming achievement of OCD remediation levels.
- Prepare report with photographs for submittal to OCD District II.

Figure 3 presents the proposed excavation areas.

Tables

Table 1
Soil Sample Analytical Data Summary
Skeen 2 26 27 State #003
Eddy County, New Mexico
North 32° 4' 41.46", West 104° 9' 32.16"

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Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				10	50	100			600	
S-1	0.5	3/19/2021	In-Situ	<0.00202	0.00636	<50.0	<50.0	<50.0	<50.0	1,510
	1	6/8/2021	In-Situ	<0.00200	<0.00399	<49.8	220	<49.8	220	469
	3	6/8/2021	In-Situ	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	113
	5	6/8/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	993
	10	6/8/2021	In-Situ	<0.0198	<0.0396	<49.8	<49.8	<49.8	<49.8	9.33
S-2	0.5	3/19/2021	In-Situ	<0.00201	<0.00201	<49.9	755	220	975	949
	1	6/8/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	208
	3	6/8/2021	In-Situ	<0.0202	<0.00404	<49.8	<49.8	<49.8	<49.8	130
	5	6/8/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	1,120
	10	6/8/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	87.5
S-3	0.5	3/19/2021	In-Situ	<0.00201	<0.00201	<50.0	251	111	362	245
	1	6/9/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	130
	3	6/9/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	84.9
	5	6/9/2021	In-Situ	0.00222	<0.00399	<50.0	<50.0	<50.0	<50.0	298
	10	6/9/2021	In-Situ	0.00204	<0.00399	<49.7	<49.7	<49.7	<49.7	394
S-4	0.5	3/19/2021	In-Situ	<0.00202	0.00268	<49.9	104	69.1	173	8,050
	1	6/9/2021	In-Situ	<0.00202	<0.00404	<49.8	443	<49.8	443	184
	3	6/9/2021	In-Situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	19.8
	5	6/9/2021	In-Situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	36.6
	10	6/9/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	37.6
S-5	0.5	3/19/2021	In-Situ	<0.00201	<0.00201	<50.0	1,950	594	2,540	5,910

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Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				10	50	100			600	
	1	6/9/2021	In-Situ	<0.00200	<0.00400	<49.9	3,750	<49.9	3,750	920
	3	6/9/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	126
	5	6/9/2021	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	336
	10	6/9/2021	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	40.6
S-6	0.5	3/19/2021	In-Situ	<0.00200	<0.00200	<50.0	1,500	400	1,900	313
	1	6/9/2021	In-Situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	49.8
	3	6/9/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	32.6
	5	6/9/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	9.68
	10	6/9/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	103
S-7	0.5	3/19/2021	In-Situ	<0.00199	0.00636	<49.9	128	80.6	209	818
	1	6/9/2021	In-Situ	<0.00199	<0.00398	<50.0	2,920	435	3,360	1,540
	3	6/9/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	1,830
	5	6/9/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	2,360
	10	6/9/2021	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	69.2
S-8	0.5	3/19/2021	In-Situ	<0.00199	<0.00199	<50.0	60.0	83.7	144	3,400
	1	6/9/2021	In-Situ	<0.00199	<0.00398	<49.8	334.0	53.3	387	884
	3	6/9/2021	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	99.9
	5	6/9/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	264
	10	6/9/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	290
S-9	0.5	3/19/2021	In-Situ	<0.00200	<0.00200	<50.0	<50.0	57.8	57.8	39.8

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Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				10	50	100			600	
S-10	0.5	3/19/2021	In-Situ	<0.00201	0.00223	66.8	58.8	58.1	184	152
	1	6/9/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	106
	3	6/9/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	72.9
	5	6/9/2021	In-Situ	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	9.27
	10	6/9/2021	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	9.80
S-11	0.5	3/19/2021	In-Situ	<0.00200	0.00463	96.7	<49.8	<49.8	96.7	417
S-12	0.5	3/19/2021	In-Situ	<0.00198	<0.00198	80.6	<49.9	<49.9	80.6	345
S-13	0.5	6/9/2021	In-Situ	<0.00199	<0.00398	318	<49.7	<49.7	318	93.7
	1	11/29/2021	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	128
	3	11/29/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	47.3
	5	11/29/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	6.99
	9	11/29/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	6.65
S-14	1	11/29/2021	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	79.0
	3	11/29/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	29.1
	5	11/29/2021	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	17.4
	9	11/29/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	10.2

Notes: Analysis performed by Xenco Laboratories (Xenco) in Midland, Texas for BTEX, TPH, and chloride by EPA SW-846 Method 8021B, 8015M and 300, respectively.

Depth in feet below ground surface (bgs)

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

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Skeen 2 26 27 State #003
Eddy County, New Mexico
North 32° 4' 41.46", West 104° 9' 32.16"

Page 4 of 4

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				10	50				100	600

<: denotes concentration less than analytical method reporting limit

Bold and Highlighted exceeds OCD remediation action limits

Figures

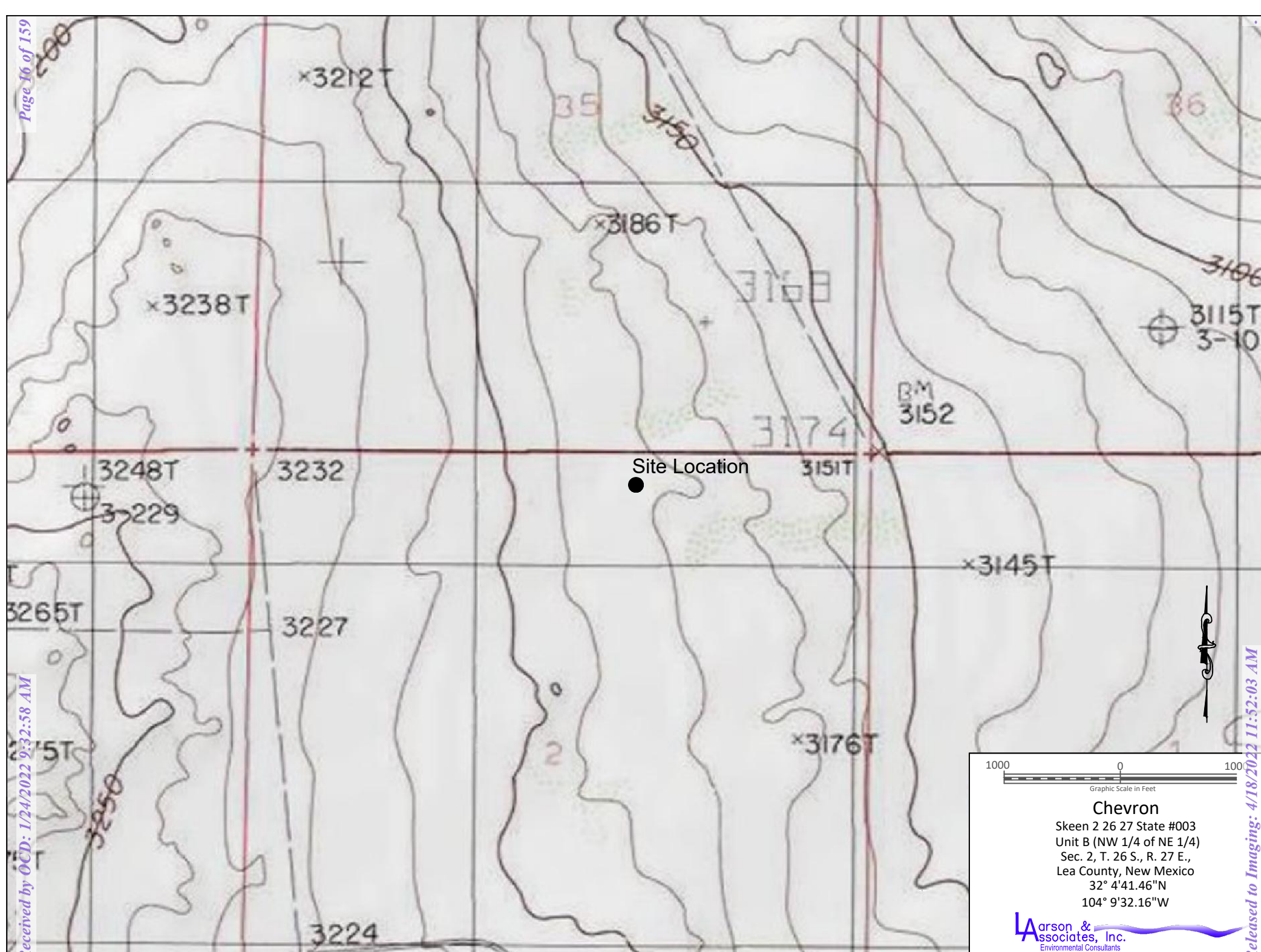
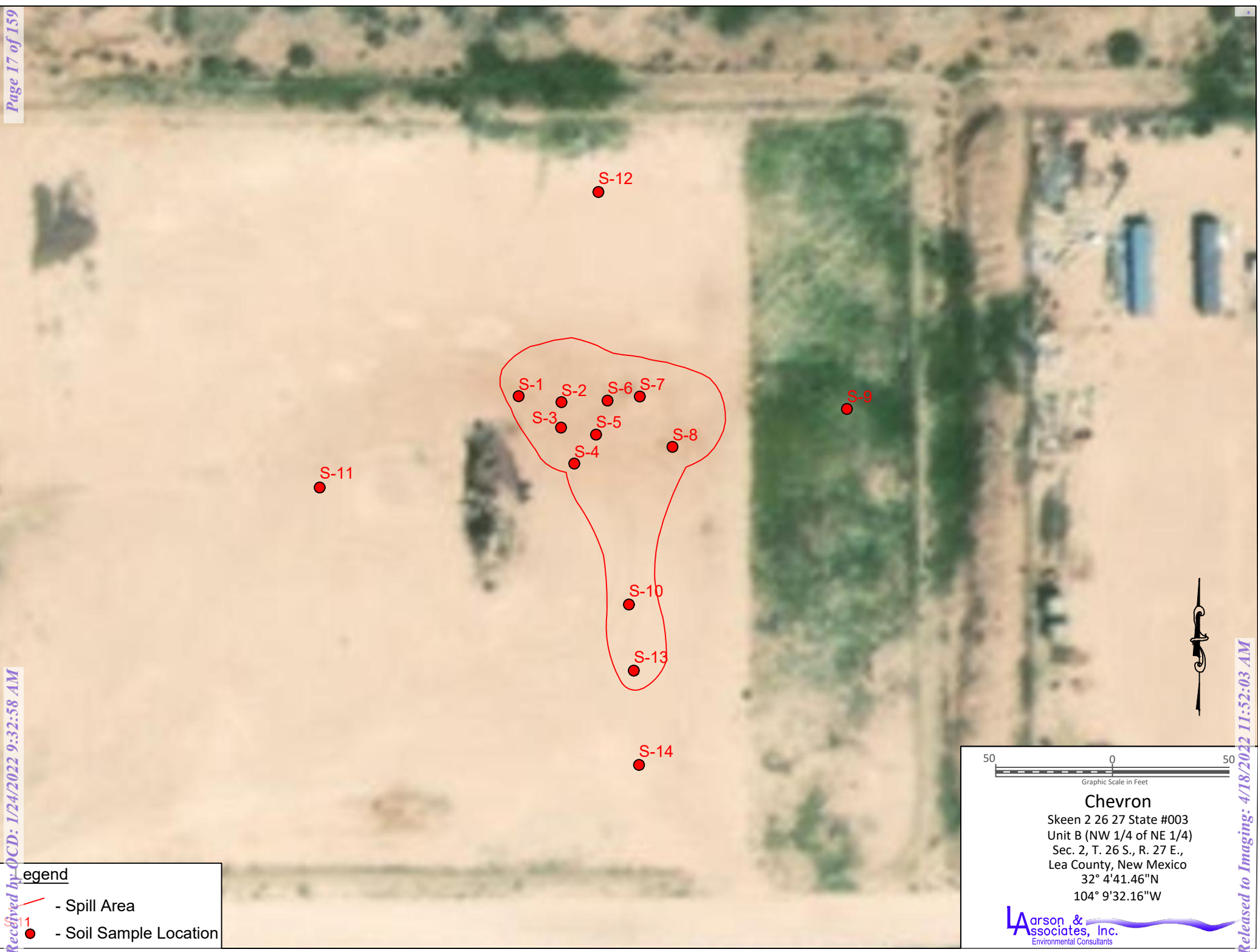


Figure 1 - Topographic Map



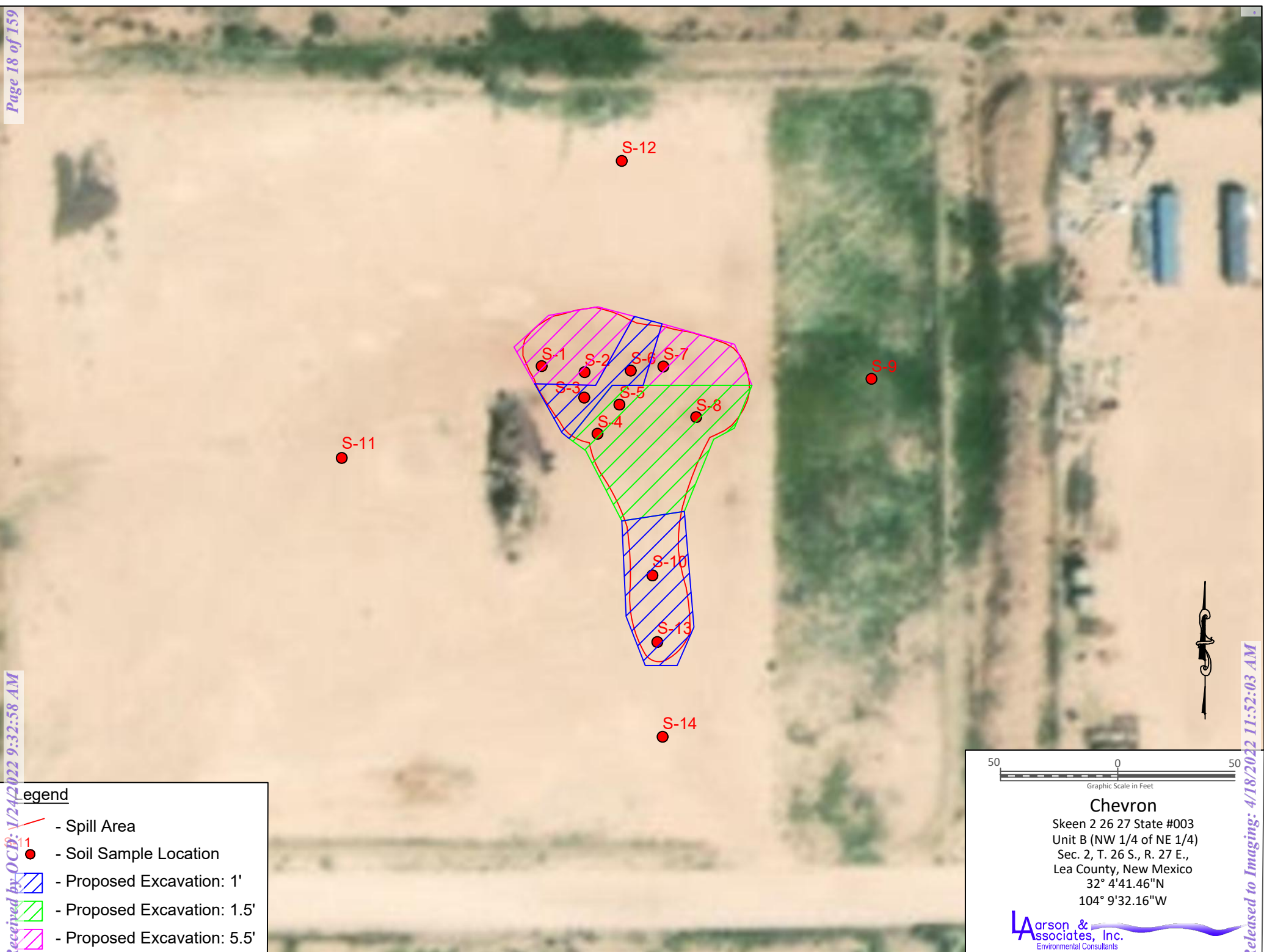
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- Spill Area
- Soil Sample Location

Figure 2 - Aerial Map

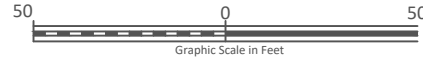
Chevron
Skeen 2 26 27 State #003
Unit B (NW 1/4 of NE 1/4)
Sec. 2, T. 26 S., R. 27 E.,
Lea County, New Mexico
32° 4'41.46"N
104° 9'32.16"W

Larson & Associates, Inc.
Environmental Consultants



Legend

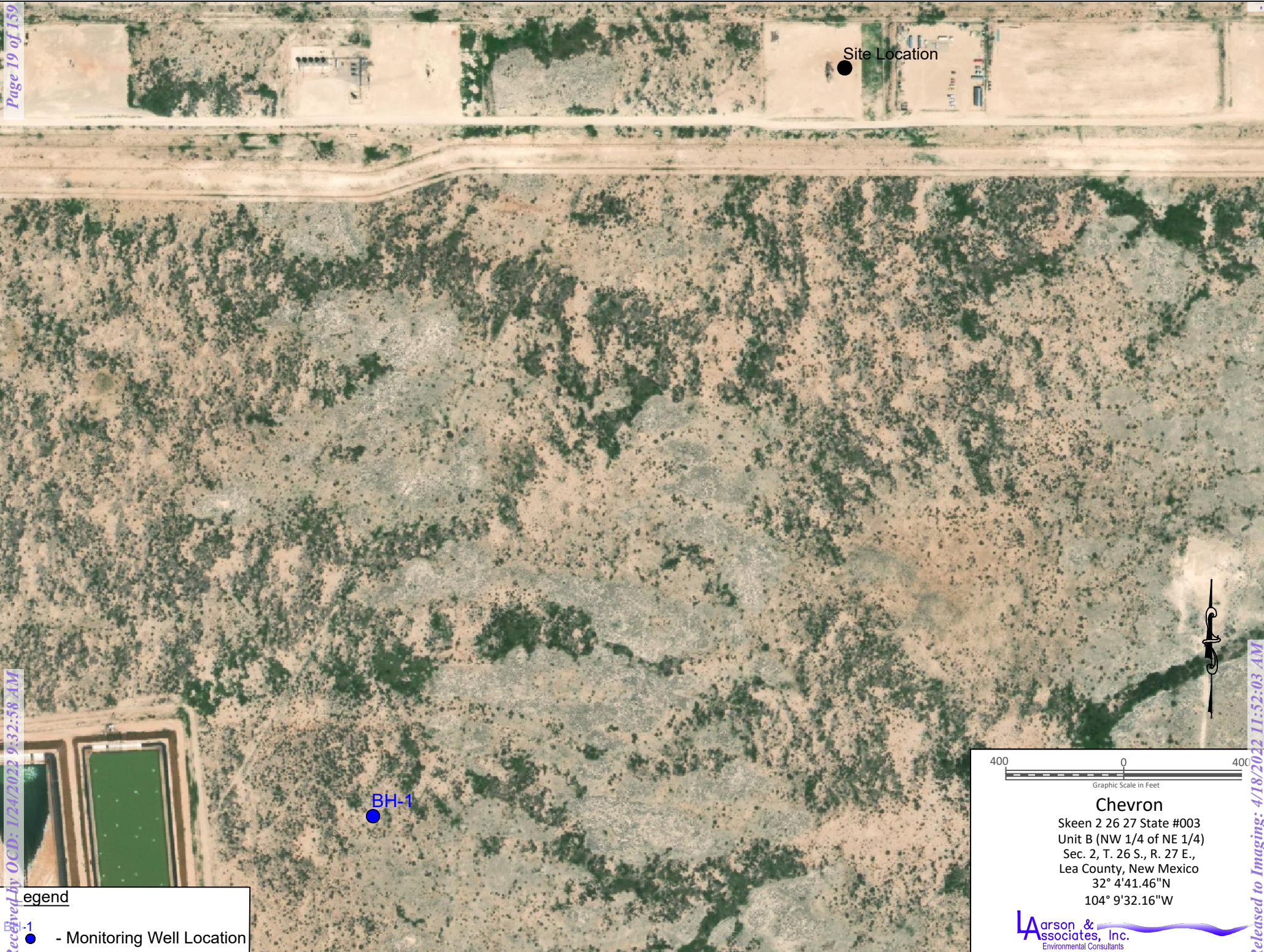
- Spill Area
- Soil Sample Location
- Proposed Excavation: 1'
- Proposed Excavation: 1.5'
- Proposed Excavation: 5.5'



Chevron
Skeen 2 26 27 State #003
Unit B (NW 1/4 of NE 1/4)
Sec. 2, T. 26 S., R. 27 E.,
Lea County, New Mexico
32° 4'41.46"N
104° 9'32.16"W



Figure 3 - Aerial Map Showing Proposed Excavation Areas



Legend

● - Monitoring Well Location

400 0 400
Graphic Scale in Feet

Chevron
Skeen 2 26 27 State #003
Unit B (NW 1/4 of NE 1/4)
Sec. 2, T. 26 S., R. 27 E.,
Lea County, New Mexico
32° 4'41.46"N
104° 9'32.16"W

Larson & Associates, Inc.
Environmental Consultants

Figure 4 - Aerial Map Showing Monitoring Well Location

Appendix A

Chevron 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

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

OCT 04 2017

Form C-141
Revised August 8, 2011

Submittal Copy to Appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

NAB1727850058		OPERATOR		☒ Initial Report	☐ Final Report
Name of Company: Chevron USA Inc. 4323		Contact: Josepha DeLeon			
Address: 6301 Deauville Blvd., Midland, TX 79706		Telephone No.: 575-263-0424			
Facility Name: Skeen 2 26 27 State #003H		Facility Type: Oil Well			
Surface Owner: Private		Mineral Owner: State		API No: 30-015-41117	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	02	26S	27E	175	North	1980	East	Eddy

Latitude: 32.00086889 Longitude: -103.0721928

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 9 barrels oil 6 barrels produced water	Volume Recovered: None
Source of Release: Stuffing box	Date and Hour of Occurrence: 09/21/2017; 06:00 am	Date and Hour of Discovery: 09/21/2017; 06:30 am
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Stuffing box blowout.		
Describe Area Affected and Cleanup Action Taken.* Shut in BOP and stuffing box. Vacuum truck to extract liquid.		

Please refer to the New Mexico Oil
Conservation Division Website for
updated form(s) at:
[http://www.emnrd.state.nm.us/
OCD/forms.html](http://www.emnrd.state.nm.us/OCD/forms.html) Thank you

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

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Josepha DeLeon		Approved by Environmental Specialist: Signed By 	
Title: HES Specialist – Compliance Support, Environmental	Approval Date: 10/5/17	Expiration Date: N/A	
E-mail Address: jdx@chevron.com	Conditions of Approval: See Attached		Attached ☐ 200-4429
Date: October 3, 2017	Phone: 575-263-0424		

* Attach Additional Sheets If Necessary

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 10/4/2017 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4429 has been assigned. **Please refer to this case number in all future correspondence.**

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

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

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 11/4/2017. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

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

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

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

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

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

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

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

Jim Griswold

OCD Environmental Bureau Chief

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

505-476-3465

jim.griswold@state.nm.us

Bratcher, Mike, EMNRD

From: DeLeon, Josepha <JDxD@chevron.com>
Sent: Wednesday, October 4, 2017 11:18 AM
To: Weaver, Crystal, EMNRD; Bratcher, Mike, EMNRD; jamos@blm.gov; Tucker, Shelly
Cc: Debeyessey, Svetlana; Barringer, Andrew J; Davis, Allen; Vallejo, Tony
Subject: Skeen 3 Spill
Attachments: Skeen 3 Spill C-141.pdf

Attached is the C-141 for the spill that occurred at Skeen 3.

*Josie DeLeon, HES Specialist -
Compliance Support - Environmental*

**Chevron - MCBU
(New Mexico, East Texas and Ft. Stockton Areas)**

1616 W. Bender Blvd.
Hobbs, NM 88240
575-263-0424
432-425-1528 - cell
jdxd@chevron.com



Appendix B
Karst Risk Potential



Browser

★ Favorites

▶ Spatial Bookmarks

▶ Project Home

▶ Home

▶ C:\

▶ D:\

▶ L:\

▶ Z:\

GeoPackage

SpatialLite

PostGIS

MySQL

Oracle

DB2

WMS/WMTS

▶ XYZ Tiles

WCS

WFS / OGC API - Features

OWS

ArcGISMapServer

ArcGISFeatureServer

GeoNode

Layers

▼ ☒ **Karst or No Karst**

☒ High

☒ Low

☒ Medium

☒

▼ ☒ **Bing Satellite**



Appendix C

Boring Log

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 11:30 Finish: 12:30 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS	
					PPM X <u>1</u>										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING
					2	4	6	8	10	12	14	16	18						
	0	Silty Sand, 7.5YR 8/2, Pinkish White, Rounded, Fine Grained, Poorly Sorted, Subangular, 0.5-2cm Clast Inclusions	ML															1	
	5	Caliche, 7.5YR 8/1, White, Rounded, Poorly Sorted, Medium Grained, Subangular, 0.5-1cm Diameter Clast Inclusions	Caliche															5	
	10																	10	
	15	Silty Sand, 7.5YR 6/6, Reddish Yellow, Rounded, Fine Grained, Poorly Sorted, Subangular, 0.5-1cm Diameter Clast Inclusions	ML															15	
	20	7.5YR 6/8, Reddish Yellow, Subangular, 0.5-2.5cm Diameter Clast Inclusions	ML															20	
	25	Quartz Sand, 2.5YR 8/2, Pinkish White, Fine Grained, Rounded, Poorly Sorted, Subangular, 0.5-2cm Diameter Clast Inclusions	SM															25	
	30																	30	
	35																	35	
	40	Quartz Sand, Very Fine Grained, Well Rounded, Poorly Sorted, 7.5YR 8/1, White, Subangular Clast Inclusions, 0.5-1.5cm Diameter	SM															40	
	45																	45	
	50																	50	

☐ ONE CONTINUOUS AUGER SAMPLER

☐ STANDARD PENETRATION TEST

☐ UNDISTURBED SAMPLE

☐ WATER TABLE (24 HRS)

WATER TABLE (TIME OF BORING)

LABORATORY TEST LOCATION

PENETROMETER (TONS/ SQ. FT)

NO RECOVERY

JOB NUMBER : Chevron/ 20-0107-03HOLE DIAMETER : 2"LOCATION : Skeen 2H - Carlsbad, NMLAI GEOLOGIST : R. NelsonDRILLING CONTRACTOR : SDIDRILLING METHOD : Air Rotary

BORING RECORD																		
GEOLOGIC UNIT	DEPTH	Start: 11:30 Finish: 12:30 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING								SAMPLE			REMARKS		
					PPM X 1								NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING	
					2	4	6	8	10	12	14	16						18
	55																	
	60		SM														60	
	65	Silty Sand, 18YR 6/5, Pale Brown, Rounded, Fine Grained, Moderately Sorted, Subangular, 0.5-1cm Diameter Inclusions	ML														65	
	70																70	
	75																75	
	80																80	
	85	2.5YR, Pink, Very Fine Grained, Well Rounded, Well Sorted, Subangular, 0.5-1cm Diameter Clast Inclusions	ML														85	
	90																90	
	95																95	
	100																100	
	105	TD: 95'															105	

ONE CONTINUOUS AUGER SAMPLER

STANDARD PENETRATION TEST

UNDISTURBED SAMPLE

WATER TABLE (24 HRS)

WATER TABLE (TIME OF BORING)

LABORATORY TEST LOCATION

PENETROMETER (TONS/ SQ. FT)

NR NO RECOVERY

DRILL DATE :

04-29-2020

BORING NUMBER :

BH-1

JOB NUMBER :

Chevron/ 20-0107-03

HOLE DIAMETER :

2"

LOCATION :

Skeen 2H - Carlsbad, NM

LAI GEOLOGIST :

R. Nelson

DRILLING CONTRACTOR :

SDI

DRILLING METHOD :

Air Rotary

Appendix D
Laboratory Reports



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-561-1

Client Project/Site: Skeen 2 26 27 State C03

For:

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

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
4/6/2021 3:42:16 PM

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

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Laboratory Job ID: 880-561-1

Table of Contents

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QC Association Summary	19
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Certification Summary	25
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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

Eurofins Xenco, Midland

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Job ID: 880-561-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-561-1

Receipt

The samples were received on 3/23/2021 8:11 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 1.8°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: 4-Bromofluorobenzene (Surr)S-7 (880-561-7) and S-11 (880-561-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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

HPLC/IC

Method 300_ORGFM_28D: The method blank for preparation batch 880-1171 and analytical batch 880-1352 contained Chloride 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.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Client Sample ID: S-1

Lab Sample ID: 880-561-1

Date Collected: 03/19/21 10:34

Matrix: Solid

Date Received: 03/23/21 08:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/30/21 14:38	03/31/21 21:05	1
Ethylbenzene	0.00260		0.00202	mg/Kg		03/30/21 14:38	03/31/21 21:05	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/30/21 14:38	03/31/21 21:05	1
Total BTEX	0.00636		0.00202	mg/Kg		03/30/21 14:38	03/31/21 21:05	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/30/21 14:38	03/31/21 21:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/30/21 14:38	03/31/21 21:05	1
o-Xylene	0.00376		0.00202	mg/Kg		03/30/21 14:38	03/31/21 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	03/30/21 14:38	03/31/21 21:05	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/30/21 14:38	03/31/21 21:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/02/21 19:02	1
Total TPH	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/02/21 19:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/02/21 19:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/02/21 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	04/01/21 14:29	04/02/21 19:02	1
o-Terphenyl	99		70 - 130	04/01/21 14:29	04/02/21 19:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1510		50.4	mg/Kg			04/02/21 23:40	10

Client Sample ID: S-2

Lab Sample ID: 880-561-2

Date Collected: 03/19/21 10:44

Matrix: Solid

Date Received: 03/23/21 08:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 21:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 21:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 21:25	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 21:25	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/30/21 14:38	03/31/21 21:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/30/21 14:38	03/31/21 21:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 21:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/30/21 14:38	03/31/21 21:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/30/21 14:38	03/31/21 21:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/01/21 14:29	04/02/21 19:24	1
Total TPH	975		49.9	mg/Kg		04/01/21 14:29	04/02/21 19:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Client Sample ID: S-2

Lab Sample ID: 880-561-2

Date Collected: 03/19/21 10:44

Matrix: Solid

Date Received: 03/23/21 08:11

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	755		49.9	mg/Kg		04/01/21 14:29	04/02/21 19:24	1
Oil Range Organics (Over C28-C36)	220		49.9	mg/Kg		04/01/21 14:29	04/02/21 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130			04/01/21 14:29	04/02/21 19:24	1
o-Terphenyl	95		70 - 130			04/01/21 14:29	04/02/21 19:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	949		50.2	mg/Kg			04/02/21 23:55	10

Client Sample ID: S-3

Lab Sample ID: 880-561-3

Date Collected: 03/19/21 11:02

Matrix: Solid

Date Received: 03/23/21 08:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	03/31/21 21:46	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	03/31/21 21:46	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	03/31/21 21:46	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	03/31/21 21:46	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/30/21 14:38	03/31/21 21:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/30/21 14:38	03/31/21 21:46	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	03/31/21 21:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			03/30/21 14:38	03/31/21 21:46	1
1,4-Difluorobenzene (Surr)	100		70 - 130			03/30/21 14:38	03/31/21 21:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/02/21 19:45	1
Total TPH	362		50.0	mg/Kg		04/01/21 14:29	04/02/21 19:45	1
Diesel Range Organics (Over C10-C28)	251		50.0	mg/Kg		04/01/21 14:29	04/02/21 19:45	1
Oil Range Organics (Over C28-C36)	111		50.0	mg/Kg		04/01/21 14:29	04/02/21 19:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			04/01/21 14:29	04/02/21 19:45	1
o-Terphenyl	104		70 - 130			04/01/21 14:29	04/02/21 19:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	245	F1	25.0	mg/Kg			04/06/21 00:16	5

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Client Sample ID: S-4

Lab Sample ID: 880-561-4

Date Collected: 03/19/21 10:33

Matrix: Solid

Date Received: 03/23/21 08:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/30/21 14:38	03/31/21 22:06	1
Ethylbenzene	0.00268		0.00202	mg/Kg		03/30/21 14:38	03/31/21 22:06	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/30/21 14:38	03/31/21 22:06	1
Total BTEX	0.00268		0.00202	mg/Kg		03/30/21 14:38	03/31/21 22:06	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/30/21 14:38	03/31/21 22:06	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/30/21 14:38	03/31/21 22:06	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/30/21 14:38	03/31/21 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/30/21 14:38	03/31/21 22:06	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/30/21 14:38	03/31/21 22:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/01/21 14:29	04/02/21 20:06	1
Total TPH	173		49.9	mg/Kg		04/01/21 14:29	04/02/21 20:06	1
Diesel Range Organics (Over C10-C28)	104		49.9	mg/Kg		04/01/21 14:29	04/02/21 20:06	1
Oil Range Organics (Over C28-C36)	69.1		49.9	mg/Kg		04/01/21 14:29	04/02/21 20:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	04/01/21 14:29	04/02/21 20:06	1
o-Terphenyl	109		70 - 130	04/01/21 14:29	04/02/21 20:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8050		49.6	mg/Kg			04/06/21 00:33	10

Client Sample ID: S-5

Lab Sample ID: 880-561-5

Date Collected: 03/19/21 11:07

Matrix: Solid

Date Received: 03/23/21 08:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	03/31/21 22:26	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	03/31/21 22:26	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	03/31/21 22:26	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	03/31/21 22:26	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/30/21 14:38	03/31/21 22:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/30/21 14:38	03/31/21 22:26	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	03/31/21 22:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/30/21 14:38	03/31/21 22:26	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/30/21 14:38	03/31/21 22:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/02/21 20:48	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Client Sample ID: S-5

Lab Sample ID: 880-561-5

Date Collected: 03/19/21 11:07

Matrix: Solid

Date Received: 03/23/21 08:11

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2540		50.0	mg/Kg		04/01/21 14:29	04/02/21 20:48	1
Diesel Range Organics (Over C10-C28)	1950		50.0	mg/Kg		04/01/21 14:29	04/02/21 20:48	1
Oil Range Organics (Over C28-C36)	594		50.0	mg/Kg		04/01/21 14:29	04/02/21 20:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			04/01/21 14:29	04/02/21 20:48	1
o-Terphenyl	111		70 - 130			04/01/21 14:29	04/02/21 20:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5910		49.5	mg/Kg			04/06/21 00:38	10

Client Sample ID: S-6

Lab Sample ID: 880-561-6

Date Collected: 03/19/21 11:10

Matrix: Solid

Date Received: 03/23/21 08:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 22:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 22:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 22:47	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 22:47	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/30/21 14:38	03/31/21 22:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/30/21 14:38	03/31/21 22:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 22:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			03/30/21 14:38	03/31/21 22:47	1
1,4-Difluorobenzene (Surr)	88		70 - 130			03/30/21 14:38	03/31/21 22:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/03/21 11:25	1
Total TPH	1900		50.0	mg/Kg		04/01/21 14:29	04/03/21 11:25	1
Diesel Range Organics (Over C10-C28)	1500		50.0	mg/Kg		04/01/21 14:29	04/03/21 11:25	1
Oil Range Organics (Over C28-C36)	400		50.0	mg/Kg		04/01/21 14:29	04/03/21 11:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	19	S1-	70 - 130			04/01/21 14:29	04/03/21 11:25	1
o-Terphenyl	32	S1-	70 - 130			04/01/21 14:29	04/03/21 11:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	313		25.2	mg/Kg			04/06/21 00:44	5

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Client Sample ID: S-7

Lab Sample ID: 880-561-7

Date Collected: 03/19/21 10:55

Matrix: Solid

Date Received: 03/23/21 08:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/30/21 14:38	03/31/21 23:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/30/21 14:38	03/31/21 23:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/30/21 14:38	03/31/21 23:07	1
Total BTEX	0.00636		0.00199	mg/Kg		03/30/21 14:38	03/31/21 23:07	1
Xylenes, Total	0.00636		0.00398	mg/Kg		03/30/21 14:38	03/31/21 23:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/30/21 14:38	03/31/21 23:07	1
o-Xylene	0.00636		0.00199	mg/Kg		03/30/21 14:38	03/31/21 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	03/30/21 14:38	03/31/21 23:07	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/30/21 14:38	03/31/21 23:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/01/21 14:29	04/02/21 21:31	1
Total TPH	209		49.9	mg/Kg		04/01/21 14:29	04/02/21 21:31	1
Diesel Range Organics (Over C10-C28)	128		49.9	mg/Kg		04/01/21 14:29	04/02/21 21:31	1
Oil Range Organics (Over C28-C36)	80.6		49.9	mg/Kg		04/01/21 14:29	04/02/21 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	04/01/21 14:29	04/02/21 21:31	1
o-Terphenyl	106		70 - 130	04/01/21 14:29	04/02/21 21:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	818		25.1	mg/Kg			04/06/21 00:50	5

Client Sample ID: S-8

Lab Sample ID: 880-561-8

Date Collected: 03/19/21 10:49

Matrix: Solid

Date Received: 03/23/21 08:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/30/21 14:38	04/01/21 01:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/30/21 14:38	04/01/21 01:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/30/21 14:38	04/01/21 01:38	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		03/30/21 14:38	04/01/21 01:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/30/21 14:38	04/01/21 01:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/30/21 14:38	04/01/21 01:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/30/21 14:38	04/01/21 01:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/30/21 14:38	04/01/21 01:38	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/30/21 14:38	04/01/21 01:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/02/21 21:53	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Client Sample ID: S-8

Lab Sample ID: 880-561-8

Date Collected: 03/19/21 10:49

Matrix: Solid

Date Received: 03/23/21 08:11

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	144		50.0	mg/Kg		04/01/21 14:29	04/02/21 21:53	1
Diesel Range Organics (Over C10-C28)	60.0		50.0	mg/Kg		04/01/21 14:29	04/02/21 21:53	1
Oil Range Organics (Over C28-C36)	83.7		50.0	mg/Kg		04/01/21 14:29	04/02/21 21:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			04/01/21 14:29	04/02/21 21:53	1
o-Terphenyl	116		70 - 130			04/01/21 14:29	04/02/21 21:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3400		25.1	mg/Kg			04/06/21 01:06	5

Client Sample ID: S-9

Lab Sample ID: 880-561-9

Date Collected: 03/19/21 11:25

Matrix: Solid

Date Received: 03/23/21 08:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	04/01/21 01:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	04/01/21 01:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	04/01/21 01:58	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	04/01/21 01:58	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/30/21 14:38	04/01/21 01:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/30/21 14:38	04/01/21 01:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	04/01/21 01:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			03/30/21 14:38	04/01/21 01:58	1
1,4-Difluorobenzene (Surr)	99		70 - 130			03/30/21 14:38	04/01/21 01:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/02/21 22:14	1
Total TPH	57.8		50.0	mg/Kg		04/01/21 14:29	04/02/21 22:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/02/21 22:14	1
Oil Range Organics (Over C28-C36)	57.8		50.0	mg/Kg		04/01/21 14:29	04/02/21 22:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			04/01/21 14:29	04/02/21 22:14	1
o-Terphenyl	105		70 - 130			04/01/21 14:29	04/02/21 22:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.8		4.98	mg/Kg			04/06/21 01:12	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Client Sample ID: S-10

Lab Sample ID: 880-561-10

Date Collected: 03/19/21 11:30

Matrix: Solid

Date Received: 03/23/21 08:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	04/01/21 02:19	1
Ethylbenzene	0.00223		0.00201	mg/Kg		03/30/21 14:38	04/01/21 02:19	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	04/01/21 02:19	1
Total BTEX	0.00223		0.00201	mg/Kg		03/30/21 14:38	04/01/21 02:19	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/30/21 14:38	04/01/21 02:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/30/21 14:38	04/01/21 02:19	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/30/21 14:38	04/01/21 02:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/30/21 14:38	04/01/21 02:19	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/30/21 14:38	04/01/21 02:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	66.8		50.1	mg/Kg		04/01/21 14:29	04/02/21 22:36	1
Total TPH	184		50.1	mg/Kg		04/01/21 14:29	04/02/21 22:36	1
Diesel Range Organics (Over C10-C28)	58.8		50.1	mg/Kg		04/01/21 14:29	04/02/21 22:36	1
Oil Range Organics (Over C28-C36)	58.1		50.1	mg/Kg		04/01/21 14:29	04/02/21 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	04/01/21 14:29	04/02/21 22:36	1
o-Terphenyl	102		70 - 130	04/01/21 14:29	04/02/21 22:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		25.2	mg/Kg			04/06/21 01:17	5

Client Sample ID: S-11

Lab Sample ID: 880-561-11

Date Collected: 03/19/21 11:15

Matrix: Solid

Date Received: 03/23/21 08:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	04/01/21 02:39	1
Ethylbenzene	0.00463		0.00200	mg/Kg		03/30/21 14:38	04/01/21 02:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	04/01/21 02:39	1
Total BTEX	0.00463		0.00200	mg/Kg		03/30/21 14:38	04/01/21 02:39	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/30/21 14:38	04/01/21 02:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/30/21 14:38	04/01/21 02:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	04/01/21 02:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	03/30/21 14:38	04/01/21 02:39	1
1,4-Difluorobenzene (Surr)	82		70 - 130	03/30/21 14:38	04/01/21 02:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	96.7		49.8	mg/Kg		04/01/21 14:29	04/02/21 22:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Client Sample ID: S-11

Date Collected: 03/19/21 11:15

Date Received: 03/23/21 08:11

Lab Sample ID: 880-561-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	96.7		49.8	mg/Kg		04/01/21 14:29	04/02/21 22:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		04/01/21 14:29	04/02/21 22:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		04/01/21 14:29	04/02/21 22:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130			04/01/21 14:29	04/02/21 22:57	1
o-Terphenyl	90		70 - 130			04/01/21 14:29	04/02/21 22:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	417		24.9	mg/Kg			04/06/21 01:23	5

Client Sample ID: S-12

Date Collected: 03/19/21 11:25

Date Received: 03/23/21 08:11

Lab Sample ID: 880-561-12

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/30/21 14:38	04/01/21 03:00	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/30/21 14:38	04/01/21 03:00	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/30/21 14:38	04/01/21 03:00	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		03/30/21 14:38	04/01/21 03:00	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/30/21 14:38	04/01/21 03:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/30/21 14:38	04/01/21 03:00	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/30/21 14:38	04/01/21 03:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			03/30/21 14:38	04/01/21 03:00	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/30/21 14:38	04/01/21 03:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	80.6		49.9	mg/Kg		04/01/21 14:29	04/02/21 23:19	1
Total TPH	80.6		49.9	mg/Kg		04/01/21 14:29	04/02/21 23:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/01/21 14:29	04/02/21 23:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/01/21 14:29	04/02/21 23:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130			04/01/21 14:29	04/02/21 23:19	1
o-Terphenyl	94		70 - 130			04/01/21 14:29	04/02/21 23:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	345		24.9	mg/Kg			04/06/21 01:28	5

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-552-A-8-A MS	Matrix Spike	83	85
880-552-A-8-B MSD	Matrix Spike Duplicate	88	86
880-561-1	S-1	125	91
880-561-2	S-2	113	99
880-561-3	S-3	110	100
880-561-4	S-4	113	103
880-561-5	S-5	114	101
880-561-6	S-6	109	88
880-561-7	S-7	132 S1+	100
880-561-8	S-8	118	99
880-561-9	S-9	113	99
880-561-10	S-10	117	91
880-561-11	S-11	132 S1+	82
880-561-12	S-12	113	102
LCS 880-1074/1-A	Lab Control Sample	105	100
LCSD 880-1074/2-A	Lab Control Sample Dup	103	99
MB 880-1074/5-A	Method Blank	106	96
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-561-1	S-1	95	99
880-561-2	S-2	95	95
880-561-3	S-3	99	104
880-561-4	S-4	101	109
880-561-5	S-5	101	111
880-561-6	S-6	19 S1-	32 S1-
880-561-7	S-7	93	106
880-561-8	S-8	105	116
880-561-9	S-9	97	105
880-561-10	S-10	94	102
880-561-11	S-11	86	90
880-561-12	S-12	89	94
880-954-A-1-B MS	Matrix Spike	102	91
880-954-A-1-C MSD	Matrix Spike Duplicate	104	92
LCS 880-1198/2-A	Lab Control Sample	102	94
LCSD 880-1198/3-A	Lab Control Sample Dup	100	88
MB 880-1198/1-A	Method Blank	88	92
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1074/5-A

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1074

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 20:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 20:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 20:15	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 20:15	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/30/21 14:38	03/31/21 20:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/30/21 14:38	03/31/21 20:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/30/21 14:38	03/31/21 20:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/30/21 14:38	03/31/21 20:15	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/30/21 14:38	03/31/21 20:15	1

Lab Sample ID: LCS 880-1074/1-A

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1092		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1163		mg/Kg		116	70 - 130
Toluene	0.100	0.1113		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2358		mg/Kg		118	70 - 130
o-Xylene	0.100	0.1140		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-1074/2-A

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1074

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1064		mg/Kg		106	70 - 130	3	35
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130	3	35
Toluene	0.100	0.1083		mg/Kg		108	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2284		mg/Kg		114	70 - 130	3	35
o-Xylene	0.100	0.1120		mg/Kg		112	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-552-A-8-A MS

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1074

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.0998	0.02332	F1	mg/Kg		23	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

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

Lab Sample ID: 880-552-A-8-A MS

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1074

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.00874	F1	0.0998	0.01835	F1	mg/Kg		10	70 - 130
Toluene	<0.00200	U F1	0.0998	0.01532	F1	mg/Kg		15	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.01718	F1	mg/Kg		7	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.008340	F1	mg/Kg		8	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	83		70 - 130						
1,4-Difluorobenzene (Surr)	85		70 - 130						

Lab Sample ID: 880-552-A-8-B MSD

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 1074

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.101	0.02735	F1	mg/Kg		27	70 - 130	16	35
Ethylbenzene	0.00874	F1	0.101	0.01743	F1	mg/Kg		9	70 - 130	5	35
Toluene	<0.00200	U F1	0.101	0.01736	F1	mg/Kg		17	70 - 130	13	35
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.202	0.02640	F1 F2	mg/Kg		12	70 - 130	42	35
o-Xylene	<0.00200	U F1	0.101	0.01054	F1	mg/Kg		10	70 - 130	23	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	88		70 - 130								
1,4-Difluorobenzene (Surr)	86		70 - 130								

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

Lab Sample ID: MB 880-1198/1-A

Matrix: Solid

Analysis Batch: 1225

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1198

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		04/01/21 14:29	04/02/21 15:43	1
Total TPH	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/02/21 15:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/02/21 15:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/01/21 14:29	04/02/21 15:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			04/01/21 14:29	04/02/21 15:43	1
o-Terphenyl	92		70 - 130			04/01/21 14:29	04/02/21 15:43	1

Lab Sample ID: LCS 880-1198/2-A

Matrix: Solid

Analysis Batch: 1225

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	899.0		mg/Kg		90	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

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

Lab Sample ID: LCS 880-1198/2-A

Matrix: Solid

Analysis Batch: 1225

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1198

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (Over C10-C28)			1000	834.0		mg/Kg		83	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	94		70 - 130								

Lab Sample ID: LCSD 880-1198/3-A

Matrix: Solid

Analysis Batch: 1225

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1198

Top Bottom											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	935.1		mg/Kg		94	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	843.2		mg/Kg		84	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: 880-954-A-1-B MS

Matrix: Solid

Analysis Batch: 1225

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1198

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	933.6		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	841.8		mg/Kg		82	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	91		70 - 130								

Lab Sample ID: 880-954-A-1-C MSD

Matrix: Solid

Analysis Batch: 1225

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 1198

Top Bottom											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	947.5		mg/Kg		93	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	847.2		mg/Kg		83	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	92		70 - 130								

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1199/1-A

Matrix: Solid

Analysis Batch: 1246

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			04/02/21 23:25	1

Lab Sample ID: LCS 880-1199/2-A

Matrix: Solid

Analysis Batch: 1246

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	241.3		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-1199/3-A

Matrix: Solid

Analysis Batch: 1246

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	241.2		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-561-1 MS

Matrix: Solid

Analysis Batch: 1246

Client Sample ID: S-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1510		252	4163	4	mg/Kg		1052	90 - 110

Lab Sample ID: 880-561-1 MSD

Matrix: Solid

Analysis Batch: 1246

Client Sample ID: S-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1510		252	4170	4	mg/Kg		1055	90 - 110	0	20

Lab Sample ID: MB 880-1171/1-A

Matrix: Solid

Analysis Batch: 1352

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			04/06/21 00:00	1

Lab Sample ID: LCS 880-1171/2-A

Matrix: Solid

Analysis Batch: 1352

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	254.9		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-1171/3-A

Matrix: Solid

Analysis Batch: 1352

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	255.6		mg/Kg		102	90 - 110	0	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-561-3 MS

Matrix: Solid

Analysis Batch: 1352

Client Sample ID: S-3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	245	F1	250	1624	F1	mg/Kg		553	90 - 110

Lab Sample ID: 880-561-3 MSD

Matrix: Solid

Analysis Batch: 1352

Client Sample ID: S-3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	245	F1	250	1627	F1	mg/Kg		554	90 - 110	0	20

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

GC VOA

Prep Batch: 1074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-561-1	S-1	Total/NA	Solid	5035	
880-561-2	S-2	Total/NA	Solid	5035	
880-561-3	S-3	Total/NA	Solid	5035	
880-561-4	S-4	Total/NA	Solid	5035	
880-561-5	S-5	Total/NA	Solid	5035	
880-561-6	S-6	Total/NA	Solid	5035	
880-561-7	S-7	Total/NA	Solid	5035	
880-561-8	S-8	Total/NA	Solid	5035	
880-561-9	S-9	Total/NA	Solid	5035	
880-561-10	S-10	Total/NA	Solid	5035	
880-561-11	S-11	Total/NA	Solid	5035	
880-561-12	S-12	Total/NA	Solid	5035	
MB 880-1074/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1074/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1074/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-552-A-8-A MS	Matrix Spike	Total/NA	Solid	5035	
880-552-A-8-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 1122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-561-1	S-1	Total/NA	Solid	8021B	1074
880-561-2	S-2	Total/NA	Solid	8021B	1074
880-561-3	S-3	Total/NA	Solid	8021B	1074
880-561-4	S-4	Total/NA	Solid	8021B	1074
880-561-5	S-5	Total/NA	Solid	8021B	1074
880-561-6	S-6	Total/NA	Solid	8021B	1074
880-561-7	S-7	Total/NA	Solid	8021B	1074
880-561-8	S-8	Total/NA	Solid	8021B	1074
880-561-9	S-9	Total/NA	Solid	8021B	1074
880-561-10	S-10	Total/NA	Solid	8021B	1074
880-561-11	S-11	Total/NA	Solid	8021B	1074
880-561-12	S-12	Total/NA	Solid	8021B	1074
MB 880-1074/5-A	Method Blank	Total/NA	Solid	8021B	1074
LCS 880-1074/1-A	Lab Control Sample	Total/NA	Solid	8021B	1074
LCSD 880-1074/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1074
880-552-A-8-A MS	Matrix Spike	Total/NA	Solid	8021B	1074
880-552-A-8-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	1074

GC Semi VOA

Prep Batch: 1198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-561-1	S-1	Total/NA	Solid	8015NM Prep	
880-561-2	S-2	Total/NA	Solid	8015NM Prep	
880-561-3	S-3	Total/NA	Solid	8015NM Prep	
880-561-4	S-4	Total/NA	Solid	8015NM Prep	
880-561-5	S-5	Total/NA	Solid	8015NM Prep	
880-561-6	S-6	Total/NA	Solid	8015NM Prep	
880-561-7	S-7	Total/NA	Solid	8015NM Prep	
880-561-8	S-8	Total/NA	Solid	8015NM Prep	
880-561-9	S-9	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

GC Semi VOA (Continued)

Prep Batch: 1198 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-561-10	S-10	Total/NA	Solid	8015NM Prep	
880-561-11	S-11	Total/NA	Solid	8015NM Prep	
880-561-12	S-12	Total/NA	Solid	8015NM Prep	
MB 880-1198/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1198/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1198/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-954-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-954-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-561-1	S-1	Total/NA	Solid	8015B NM	1198
880-561-2	S-2	Total/NA	Solid	8015B NM	1198
880-561-3	S-3	Total/NA	Solid	8015B NM	1198
880-561-4	S-4	Total/NA	Solid	8015B NM	1198
880-561-5	S-5	Total/NA	Solid	8015B NM	1198
880-561-6	S-6	Total/NA	Solid	8015B NM	1198
880-561-7	S-7	Total/NA	Solid	8015B NM	1198
880-561-8	S-8	Total/NA	Solid	8015B NM	1198
880-561-9	S-9	Total/NA	Solid	8015B NM	1198
880-561-10	S-10	Total/NA	Solid	8015B NM	1198
880-561-11	S-11	Total/NA	Solid	8015B NM	1198
880-561-12	S-12	Total/NA	Solid	8015B NM	1198
MB 880-1198/1-A	Method Blank	Total/NA	Solid	8015B NM	1198
LCS 880-1198/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1198
LCSD 880-1198/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1198
880-954-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	1198
880-954-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	1198

HPLC/IC

Leach Batch: 1171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-561-3	S-3	Soluble	Solid	DI Leach	
880-561-4	S-4	Soluble	Solid	DI Leach	
880-561-5	S-5	Soluble	Solid	DI Leach	
880-561-6	S-6	Soluble	Solid	DI Leach	
880-561-7	S-7	Soluble	Solid	DI Leach	
880-561-8	S-8	Soluble	Solid	DI Leach	
880-561-9	S-9	Soluble	Solid	DI Leach	
880-561-10	S-10	Soluble	Solid	DI Leach	
880-561-11	S-11	Soluble	Solid	DI Leach	
880-561-12	S-12	Soluble	Solid	DI Leach	
MB 880-1171/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1171/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1171/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-561-3 MS	S-3	Soluble	Solid	DI Leach	
880-561-3 MSD	S-3	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

HPLC/IC

Leach Batch: 1199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-561-1	S-1	Soluble	Solid	DI Leach	
880-561-2	S-2	Soluble	Solid	DI Leach	
MB 880-1199/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1199/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1199/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-561-1 MS	S-1	Soluble	Solid	DI Leach	
880-561-1 MSD	S-1	Soluble	Solid	DI Leach	

Analysis Batch: 1246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-561-1	S-1	Soluble	Solid	300.0	1199
880-561-2	S-2	Soluble	Solid	300.0	1199
MB 880-1199/1-A	Method Blank	Soluble	Solid	300.0	1199
LCS 880-1199/2-A	Lab Control Sample	Soluble	Solid	300.0	1199
LCSD 880-1199/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1199
880-561-1 MS	S-1	Soluble	Solid	300.0	1199
880-561-1 MSD	S-1	Soluble	Solid	300.0	1199

Analysis Batch: 1352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-561-3	S-3	Soluble	Solid	300.0	1171
880-561-4	S-4	Soluble	Solid	300.0	1171
880-561-5	S-5	Soluble	Solid	300.0	1171
880-561-6	S-6	Soluble	Solid	300.0	1171
880-561-7	S-7	Soluble	Solid	300.0	1171
880-561-8	S-8	Soluble	Solid	300.0	1171
880-561-9	S-9	Soluble	Solid	300.0	1171
880-561-10	S-10	Soluble	Solid	300.0	1171
880-561-11	S-11	Soluble	Solid	300.0	1171
880-561-12	S-12	Soluble	Solid	300.0	1171
MB 880-1171/1-A	Method Blank	Soluble	Solid	300.0	1171
LCS 880-1171/2-A	Lab Control Sample	Soluble	Solid	300.0	1171
LCSD 880-1171/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1171
880-561-3 MS	S-3	Soluble	Solid	300.0	1171
880-561-3 MSD	S-3	Soluble	Solid	300.0	1171

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Client Sample ID: S-1

Lab Sample ID: 880-561-1

Date Collected: 03/19/21 10:34

Matrix: Solid

Date Received: 03/23/21 08:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1074	03/30/21 14:38	MR	XM
Total/NA	Analysis	8021B		1	1122	03/31/21 21:05	MR	XM
Total/NA	Prep	8015NM Prep			1198	04/01/21 14:29	DM	XM
Total/NA	Analysis	8015B NM		1	1225	04/02/21 19:02	AJ	XM
Soluble	Leach	DI Leach			1199	04/01/21 14:35	SC	XM
Soluble	Analysis	300.0		10	1246	04/02/21 23:40	CH	XM

Client Sample ID: S-2

Lab Sample ID: 880-561-2

Date Collected: 03/19/21 10:44

Matrix: Solid

Date Received: 03/23/21 08:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1074	03/30/21 14:38	MR	XM
Total/NA	Analysis	8021B		1	1122	03/31/21 21:25	MR	XM
Total/NA	Prep	8015NM Prep			1198	04/01/21 14:29	DM	XM
Total/NA	Analysis	8015B NM		1	1225	04/02/21 19:24	AJ	XM
Soluble	Leach	DI Leach			1199	04/01/21 14:35	SC	XM
Soluble	Analysis	300.0		10	1246	04/02/21 23:55	CH	XM

Client Sample ID: S-3

Lab Sample ID: 880-561-3

Date Collected: 03/19/21 11:02

Matrix: Solid

Date Received: 03/23/21 08:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1074	03/30/21 14:38	MR	XM
Total/NA	Analysis	8021B		1	1122	03/31/21 21:46	MR	XM
Total/NA	Prep	8015NM Prep			1198	04/01/21 14:29	DM	XM
Total/NA	Analysis	8015B NM		1	1225	04/02/21 19:45	AJ	XM
Soluble	Leach	DI Leach			1171	04/01/21 11:57	CH	XM
Soluble	Analysis	300.0		5	1352	04/06/21 00:16	CH	XM

Client Sample ID: S-4

Lab Sample ID: 880-561-4

Date Collected: 03/19/21 10:33

Matrix: Solid

Date Received: 03/23/21 08:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1074	03/30/21 14:38	MR	XM
Total/NA	Analysis	8021B		1	1122	03/31/21 22:06	MR	XM
Total/NA	Prep	8015NM Prep			1198	04/01/21 14:29	DM	XM
Total/NA	Analysis	8015B NM		1	1225	04/02/21 20:06	AJ	XM
Soluble	Leach	DI Leach			1171	04/01/21 11:57	CH	XM
Soluble	Analysis	300.0		10	1352	04/06/21 00:33	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Client Sample ID: S-5

Lab Sample ID: 880-561-5

Date Collected: 03/19/21 11:07

Matrix: Solid

Date Received: 03/23/21 08:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1074	03/30/21 14:38	MR	XM
Total/NA	Analysis	8021B		1	1122	03/31/21 22:26	MR	XM
Total/NA	Prep	8015NM Prep			1198	04/01/21 14:29	DM	XM
Total/NA	Analysis	8015B NM		1	1225	04/02/21 20:48	AJ	XM
Soluble	Leach	DI Leach			1171	04/01/21 11:57	CH	XM
Soluble	Analysis	300.0		10	1352	04/06/21 00:38	CH	XM

Client Sample ID: S-6

Lab Sample ID: 880-561-6

Date Collected: 03/19/21 11:10

Matrix: Solid

Date Received: 03/23/21 08:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1074	03/30/21 14:38	MR	XM
Total/NA	Analysis	8021B		1	1122	03/31/21 22:47	MR	XM
Total/NA	Prep	8015NM Prep			1198	04/01/21 14:29	DM	XM
Total/NA	Analysis	8015B NM		1	1225	04/03/21 11:25	AJ	XM
Soluble	Leach	DI Leach			1171	04/01/21 11:57	CH	XM
Soluble	Analysis	300.0		5	1352	04/06/21 00:44	CH	XM

Client Sample ID: S-7

Lab Sample ID: 880-561-7

Date Collected: 03/19/21 10:55

Matrix: Solid

Date Received: 03/23/21 08:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1074	03/30/21 14:38	MR	XM
Total/NA	Analysis	8021B		1	1122	03/31/21 23:07	MR	XM
Total/NA	Prep	8015NM Prep			1198	04/01/21 14:29	DM	XM
Total/NA	Analysis	8015B NM		1	1225	04/02/21 21:31	AJ	XM
Soluble	Leach	DI Leach			1171	04/01/21 11:57	CH	XM
Soluble	Analysis	300.0		5	1352	04/06/21 00:50	CH	XM

Client Sample ID: S-8

Lab Sample ID: 880-561-8

Date Collected: 03/19/21 10:49

Matrix: Solid

Date Received: 03/23/21 08:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1074	03/30/21 14:38	MR	XM
Total/NA	Analysis	8021B		1	1122	04/01/21 01:38	MR	XM
Total/NA	Prep	8015NM Prep			1198	04/01/21 14:29	DM	XM
Total/NA	Analysis	8015B NM		1	1225	04/02/21 21:53	AJ	XM
Soluble	Leach	DI Leach			1171	04/01/21 11:57	CH	XM
Soluble	Analysis	300.0		5	1352	04/06/21 01:06	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Client Sample ID: S-9

Lab Sample ID: 880-561-9

Date Collected: 03/19/21 11:25

Matrix: Solid

Date Received: 03/23/21 08:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1074	03/30/21 14:38	MR	XM
Total/NA	Analysis	8021B		1	1122	04/01/21 01:58	MR	XM
Total/NA	Prep	8015NM Prep			1198	04/01/21 14:29	DM	XM
Total/NA	Analysis	8015B NM		1	1225	04/02/21 22:14	AJ	XM
Soluble	Leach	DI Leach			1171	04/01/21 11:57	CH	XM
Soluble	Analysis	300.0		1	1352	04/06/21 01:12	CH	XM

Client Sample ID: S-10

Lab Sample ID: 880-561-10

Date Collected: 03/19/21 11:30

Matrix: Solid

Date Received: 03/23/21 08:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1074	03/30/21 14:38	MR	XM
Total/NA	Analysis	8021B		1	1122	04/01/21 02:19	MR	XM
Total/NA	Prep	8015NM Prep			1198	04/01/21 14:29	DM	XM
Total/NA	Analysis	8015B NM		1	1225	04/02/21 22:36	AJ	XM
Soluble	Leach	DI Leach			1171	04/01/21 11:57	CH	XM
Soluble	Analysis	300.0		5	1352	04/06/21 01:17	CH	XM

Client Sample ID: S-11

Lab Sample ID: 880-561-11

Date Collected: 03/19/21 11:15

Matrix: Solid

Date Received: 03/23/21 08:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1074	03/30/21 14:38	MR	XM
Total/NA	Analysis	8021B		1	1122	04/01/21 02:39	MR	XM
Total/NA	Prep	8015NM Prep			1198	04/01/21 14:29	DM	XM
Total/NA	Analysis	8015B NM		1	1225	04/02/21 22:57	AJ	XM
Soluble	Leach	DI Leach			1171	04/01/21 11:57	CH	XM
Soluble	Analysis	300.0		5	1352	04/06/21 01:23	CH	XM

Client Sample ID: S-12

Lab Sample ID: 880-561-12

Date Collected: 03/19/21 11:25

Matrix: Solid

Date Received: 03/23/21 08:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1074	03/30/21 14:38	MR	XM
Total/NA	Analysis	8021B		1	1122	04/01/21 03:00	MR	XM
Total/NA	Prep	8015NM Prep			1198	04/01/21 14:29	DM	XM
Total/NA	Analysis	8015B NM		1	1225	04/02/21 23:19	AJ	XM
Soluble	Leach	DI Leach			1171	04/01/21 11:57	CH	XM
Soluble	Analysis	300.0		5	1352	04/06/21 01:28	CH	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Eurofins Xenco, Midland

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

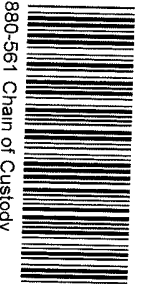
Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State C03

Job ID: 880-561-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-561-1	S-1	Solid	03/19/21 10:34	03/23/21 08:11	
880-561-2	S-2	Solid	03/19/21 10:44	03/23/21 08:11	
880-561-3	S-3	Solid	03/19/21 11:02	03/23/21 08:11	
880-561-4	S-4	Solid	03/19/21 10:33	03/23/21 08:11	
880-561-5	S-5	Solid	03/19/21 11:07	03/23/21 08:11	
880-561-6	S-6	Solid	03/19/21 11:10	03/23/21 08:11	
880-561-7	S-7	Solid	03/19/21 10:55	03/23/21 08:11	
880-561-8	S-8	Solid	03/19/21 10:49	03/23/21 08:11	
880-561-9	S-9	Solid	03/19/21 11:25	03/23/21 08:11	
880-561-10	S-10	Solid	03/19/21 11:30	03/23/21 08:11	
880-561-11	S-11	Solid	03/19/21 11:15	03/23/21 08:11	
880-561-12	S-12	Solid	03/19/21 11:25	03/23/21 08:11	

Eurofins Xenco, Midland



200

880-561 Chain of Custody
432-687-0901

No 1546

4/6/2021

DATE: 3-22-2021
PO#: 21-0100-08
PROJECT LOCATION OR NAME: Steel 2 dy 27 State Co
LAB PROJECT #: 21-0100-08
LAB WORK ORDER#: 27 State Co
COLLECTOR: MB

Data Reported to:

TRRP report? ☐ Yes ☒ No
TIME ZONE
Time zone/State

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

PRESERVATION

HCl
HNO₃
H₂SO₄ ☐ NaOH ☐
ICE
UNPRESERVED

ANALYSES
BTEX ☐ TPH 1005 ☐ TPH 1006 ☐
TRPH 418 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☐
DIESEL - MOD 8015 ☐
OIL - MOD 8015 ☐
VOC 8260 ☐
SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐
8081 PESTICIDES ☐ 8151 HERBICIDES ☐
TBLP - METALS (RCRA) ☐ TCLP VOC ☐
TCLP - METALS (RCRA) ☐ Semi-VOC ☐
TOTAL METALS (RCRA) ☐ OTHER LIST ☐
LEAD - TOTAL ☐ DW 200 & TCLP ☐
RCI ☐ TOX ☐ FLASHPOINT ☐
TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
pH ☐ HEXAVALENT CHROMIUM ☐
EXPLOSIVES ☐ PECTHLORE ☐
CHLORIDE ANIONS ☐ ALKALINITY ☐

FIELD NOTES

Field Sample ID	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO ₃	H ₂ SO ₄ ☐	NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
S-1		3/19	1034	S	4								
S-2		3/19	1044										
S-3		3/19	1102										
S-4		3/19	1033										
S-5		3/19	1107										
S-6		3/19	1110										
S-7		3/19	1055										
S-8		3/19	1049										
S-9		3/19	1125										
S-10		3/19	1130										
S-11		3/19	1115										
S-12		3/19	1125										

TOTAL 12

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

LABORATORY

TURN AROUND TIME

LABORATORY USE ONLY

NORMAL ☒

RECEIVING TEMP 1: 31.6 C

IN-8

1 DAY ☐

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

2 DAY ☐

CARRIER BILL #

OTHER ☐

HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-561-1

Login Number: 561

List Source: Eurofins Midland

List Number: 1

Creator: Teel, Brianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-2932-1

Laboratory Sample Delivery Group: 21-0100-08

Client Project/Site: Skeen 2 26 27 State 003

For:

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

Attn: Mr. Mark J Larson

A handwritten signature in cursive script that reads "Holly Taylor".

Authorized for release by:
6/15/2021 9:23:27 AM

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

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results through

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Laboratory Job ID: 880-2932-1
SDG: 21-0100-08

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Qualifiers

GC VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low 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.
α	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

Eurofins Xenco, Midland

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Job ID: 880-2932-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-2932-1

Comments

No additional comments.

Receipt

The samples were received on 6/10/2021 8:41 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 3.8° C.

GC VOA

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: S-6 3' (880-2932-22), S-6 5' (880-2932-23), S-7 10' (880-2932-28) and S-10 10' (880-2932-36). The sample(s) shows evidence of matrix interference.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-4 1' (880-2932-13), S-4 3' (880-2932-14), S-4 5' (880-2932-15), S-4 10' (880-2932-16), S-5 1' (880-2932-17), S-5 3' (880-2932-18) and S-5 10' (880-2932-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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

General Chemistry

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

Organic Prep

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

VOA Prep

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-1 1'

Lab Sample ID: 880-2932-1

Date Collected: 06/08/21 12:12

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 13:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 13:04	1
Ethylbenzene	<0.00200	U F1	0.00200	mg/Kg		06/10/21 09:06	06/10/21 13:04	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399	mg/Kg		06/10/21 09:06	06/10/21 13:04	1
o-Xylene	<0.00200	U F1	0.00200	mg/Kg		06/10/21 09:06	06/10/21 13:04	1
Xylenes, Total	<0.00399	U F1	0.00399	mg/Kg		06/10/21 09:06	06/10/21 13:04	1
Total BTEX	<0.00399	U F1	0.00399	mg/Kg		06/10/21 09:06	06/10/21 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	06/10/21 09:06	06/10/21 13:04	1
1,4-Difluorobenzene (Surr)	112		70 - 130	06/10/21 09:06	06/10/21 13:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 15:30	1
Diesel Range Organics (Over C10-C28)	220	F1	49.8	mg/Kg		06/10/21 10:07	06/11/21 15:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 15:30	1
Total TPH	220	F1	49.8	mg/Kg		06/10/21 10:07	06/11/21 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	06/10/21 10:07	06/11/21 15:30	1
o-Terphenyl	63	S1-	70 - 130	06/10/21 10:07	06/11/21 15:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	469		24.8	mg/Kg			06/11/21 14:47	5

Client Sample ID: S-1 3'

Lab Sample ID: 880-2932-2

Date Collected: 06/08/21 12:13

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 13:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 13:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 13:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 13:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 13:25	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 13:25	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/10/21 09:06	06/10/21 13:25	1
1,4-Difluorobenzene (Surr)	112		70 - 130	06/10/21 09:06	06/10/21 13:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 17:16	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-1 3'

Date Collected: 06/08/21 12:13

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 17:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 17:16	1
Total TPH	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130			06/10/21 10:07	06/11/21 17:16	1
o-Terphenyl	66	S1-	70 - 130			06/10/21 10:07	06/11/21 17:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		4.99	mg/Kg			06/14/21 12:30	1

Client Sample ID: S-1 5'

Date Collected: 06/08/21 12:14

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 13:46	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 13:46	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 13:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/10/21 09:06	06/10/21 13:46	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 13:46	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		06/10/21 09:06	06/10/21 13:46	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		06/10/21 09:06	06/10/21 13:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			06/10/21 09:06	06/10/21 13:46	1
1,4-Difluorobenzene (Surr)	122		70 - 130			06/10/21 09:06	06/10/21 13:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 17:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 17:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 17:37	1
Total TPH	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 17:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130			06/10/21 10:07	06/11/21 17:37	1
o-Terphenyl	78		70 - 130			06/10/21 10:07	06/11/21 17:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	993	F1	5.02	mg/Kg			06/12/21 00:05	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-1 10'

Lab Sample ID: 880-2932-4

Date Collected: 06/08/21 12:15

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 14:06	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 14:06	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 14:06	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/10/21 09:06	06/10/21 14:06	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 14:06	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		06/10/21 09:06	06/10/21 14:06	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		06/10/21 09:06	06/10/21 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/10/21 09:06	06/10/21 14:06	1
1,4-Difluorobenzene (Surr)	137	S1+	70 - 130	06/10/21 09:06	06/10/21 14:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 17:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 17:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 17:58	1
Total TPH	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	06/10/21 10:07	06/11/21 17:58	1
o-Terphenyl	68	S1-	70 - 130	06/10/21 10:07	06/11/21 17:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.33		4.98	mg/Kg			06/12/21 00:19	1

Client Sample ID: S-2 1'

Lab Sample ID: 880-2932-5

Date Collected: 06/08/21 13:10

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/10/21 09:06	06/10/21 14:27	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/10/21 09:06	06/10/21 14:27	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/10/21 09:06	06/10/21 14:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/10/21 09:06	06/10/21 14:27	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/10/21 09:06	06/10/21 14:27	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/10/21 09:06	06/10/21 14:27	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/10/21 09:06	06/10/21 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/10/21 09:06	06/10/21 14:27	1
1,4-Difluorobenzene (Surr)	118		70 - 130	06/10/21 09:06	06/10/21 14:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 18:19	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-2 1'

Lab Sample ID: 880-2932-5

Date Collected: 06/08/21 13:10

Matrix: Solid

Date Received: 06/10/21 08:41

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 18:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 18:19	1
Total TPH	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 18:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130			06/10/21 10:07	06/11/21 18:19	1
o-Terphenyl	68	S1-	70 - 130			06/10/21 10:07	06/11/21 18:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	208		4.96	mg/Kg			06/12/21 00:24	1

Client Sample ID: S-2 3'

Lab Sample ID: 880-2932-6

Date Collected: 06/08/21 13:11

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/10/21 09:06	06/10/21 14:48	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/10/21 09:06	06/10/21 14:48	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/10/21 09:06	06/10/21 14:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		06/10/21 09:06	06/10/21 14:48	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/10/21 09:06	06/10/21 14:48	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/10/21 09:06	06/10/21 14:48	1
Total BTEX	<0.00404	U	0.00404	mg/Kg		06/10/21 09:06	06/10/21 14:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			06/10/21 09:06	06/10/21 14:48	1
1,4-Difluorobenzene (Surr)	110		70 - 130			06/10/21 09:06	06/10/21 14:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 18:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 18:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 18:40	1
Total TPH	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 18:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130			06/10/21 10:07	06/11/21 18:40	1
o-Terphenyl	75		70 - 130			06/10/21 10:07	06/11/21 18:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		4.97	mg/Kg			06/12/21 00:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-2 5'

Lab Sample ID: 880-2932-7

Date Collected: 06/08/21 15:29

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 15:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 15:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 15:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/21 09:06	06/10/21 15:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 15:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/21 09:06	06/10/21 15:08	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/10/21 09:06	06/10/21 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/10/21 09:06	06/10/21 15:08	1
1,4-Difluorobenzene (Surr)	127		70 - 130	06/10/21 09:06	06/10/21 15:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 19:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 19:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 19:01	1
Total TPH	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	06/10/21 10:07	06/11/21 19:01	1
o-Terphenyl	65	S1-	70 - 130	06/10/21 10:07	06/11/21 19:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1120		4.97	mg/Kg			06/12/21 00:34	1

Client Sample ID: S-2 10'

Lab Sample ID: 880-2932-8

Date Collected: 06/08/21 15:30

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 15:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 15:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 15:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 15:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 15:29	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 15:29	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/10/21 09:06	06/10/21 15:29	1
1,4-Difluorobenzene (Surr)	126		70 - 130	06/10/21 09:06	06/10/21 15:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 19:22	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-2 10'

Lab Sample ID: 880-2932-8

Date Collected: 06/08/21 15:30

Matrix: Solid

Date Received: 06/10/21 08:41

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 19:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 19:22	1
Total TPH	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 19:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130			06/10/21 10:07	06/11/21 19:22	1
o-Terphenyl	69	S1-	70 - 130			06/10/21 10:07	06/11/21 19:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.5		4.95	mg/Kg			06/12/21 00:49	1

Client Sample ID: S-3 1'

Lab Sample ID: 880-2932-9

Date Collected: 06/09/21 08:13

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 15:50	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 15:50	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 15:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/21 09:06	06/10/21 15:50	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 15:50	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/21 09:06	06/10/21 15:50	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/10/21 09:06	06/10/21 15:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			06/10/21 09:06	06/10/21 15:50	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130			06/10/21 09:06	06/10/21 15:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 19:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 19:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 19:43	1
Total TPH	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 19:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130			06/10/21 10:07	06/11/21 19:43	1
o-Terphenyl	65	S1-	70 - 130			06/10/21 10:07	06/11/21 19:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		4.99	mg/Kg			06/12/21 00:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-3 3'

Lab Sample ID: 880-2932-10

Date Collected: 06/09/21 08:14

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 16:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 16:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 16:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/10/21 09:06	06/10/21 16:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 16:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/10/21 09:06	06/10/21 16:11	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/10/21 09:06	06/10/21 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/10/21 09:06	06/10/21 16:11	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130	06/10/21 09:06	06/10/21 16:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 20:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 20:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 20:04	1
Total TPH	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	06/10/21 10:07	06/11/21 20:04	1
o-Terphenyl	66	S1-	70 - 130	06/10/21 10:07	06/11/21 20:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.9		5.01	mg/Kg			06/12/21 00:58	1

Client Sample ID: S-3 5'

Lab Sample ID: 880-2932-11

Date Collected: 06/09/21 08:15

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00222	B	0.00200	mg/Kg		06/10/21 09:06	06/10/21 17:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 17:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 17:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/10/21 09:06	06/10/21 17:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 17:33	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/10/21 09:06	06/10/21 17:33	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/10/21 09:06	06/10/21 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/10/21 09:06	06/10/21 17:33	1
1,4-Difluorobenzene (Surr)	121		70 - 130	06/10/21 09:06	06/10/21 17:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 20:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-3 5'

Lab Sample ID: 880-2932-11

Date Collected: 06/09/21 08:15

Matrix: Solid

Date Received: 06/10/21 08:41

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 20:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 20:46	1
Total TPH	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 20:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			06/10/21 10:07	06/11/21 20:46	1
o-Terphenyl	83		70 - 130			06/10/21 10:07	06/11/21 20:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	298		5.03	mg/Kg			06/12/21 01:03	1

Client Sample ID: S-3 10'

Lab Sample ID: 880-2932-12

Date Collected: 06/09/21 08:16

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00204	B	0.00200	mg/Kg		06/10/21 09:06	06/10/21 17:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 17:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 17:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/10/21 09:06	06/10/21 17:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 17:54	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/10/21 09:06	06/10/21 17:54	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/10/21 09:06	06/10/21 17:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			06/10/21 09:06	06/10/21 17:54	1
1,4-Difluorobenzene (Surr)	122		70 - 130			06/10/21 09:06	06/10/21 17:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		06/10/21 10:07	06/11/21 21:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/10/21 10:07	06/11/21 21:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/10/21 10:07	06/11/21 21:06	1
Total TPH	<49.7	U	49.7	mg/Kg		06/10/21 10:07	06/11/21 21:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130			06/10/21 10:07	06/11/21 21:06	1
o-Terphenyl	75		70 - 130			06/10/21 10:07	06/11/21 21:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	394		5.04	mg/Kg			06/12/21 01:08	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-4 1'

Lab Sample ID: 880-2932-13

Date Collected: 06/09/21 08:57

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/10/21 09:06	06/10/21 18:15	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/10/21 09:06	06/10/21 18:15	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/10/21 09:06	06/10/21 18:15	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		06/10/21 09:06	06/10/21 18:15	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/10/21 09:06	06/10/21 18:15	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/10/21 09:06	06/10/21 18:15	1
Total BTEX	<0.00404	U	0.00404	mg/Kg		06/10/21 09:06	06/10/21 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/10/21 09:06	06/10/21 18:15	1
1,4-Difluorobenzene (Surr)	127		70 - 130	06/10/21 09:06	06/10/21 18:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 21:27	1
Diesel Range Organics (Over C10-C28)	443		49.8	mg/Kg		06/10/21 10:07	06/11/21 21:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 21:27	1
Total TPH	443		49.8	mg/Kg		06/10/21 10:07	06/11/21 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	06/10/21 10:07	06/11/21 21:27	1
o-Terphenyl	70		70 - 130	06/10/21 10:07	06/11/21 21:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184		5.05	mg/Kg			06/12/21 01:13	1

Client Sample ID: S-4 3'

Lab Sample ID: 880-2932-14

Date Collected: 06/09/21 08:58

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 18:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 18:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 18:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/21 09:06	06/10/21 18:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 18:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/21 09:06	06/10/21 18:35	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/10/21 09:06	06/10/21 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/10/21 09:06	06/10/21 18:35	1
1,4-Difluorobenzene (Surr)	110		70 - 130	06/10/21 09:06	06/10/21 18:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		06/10/21 10:07	06/11/21 21:48	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-4 3'

Lab Sample ID: 880-2932-14

Date Collected: 06/09/21 08:58

Matrix: Solid

Date Received: 06/10/21 08:41

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/10/21 10:07	06/11/21 21:48	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/10/21 10:07	06/11/21 21:48	1
Total TPH	<49.7	U	49.7	mg/Kg		06/10/21 10:07	06/11/21 21:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130			06/10/21 10:07	06/11/21 21:48	1
o-Terphenyl	69	S1-	70 - 130			06/10/21 10:07	06/11/21 21:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.8		4.98	mg/Kg			06/12/21 01:28	1

Client Sample ID: S-4 5'

Lab Sample ID: 880-2932-15

Date Collected: 06/09/21 08:59

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 18:56	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 18:56	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 18:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/10/21 09:06	06/10/21 18:56	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 18:56	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		06/10/21 09:06	06/10/21 18:56	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		06/10/21 09:06	06/10/21 18:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			06/10/21 09:06	06/10/21 18:56	1
1,4-Difluorobenzene (Surr)	122		70 - 130			06/10/21 09:06	06/10/21 18:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 22:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 22:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 22:09	1
Total TPH	<49.8	U	49.8	mg/Kg		06/10/21 10:07	06/11/21 22:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130			06/10/21 10:07	06/11/21 22:09	1
o-Terphenyl	67	S1-	70 - 130			06/10/21 10:07	06/11/21 22:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.6		4.95	mg/Kg			06/12/21 01:33	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-4 10'

Lab Sample ID: 880-2932-16

Date Collected: 06/09/21 09:00

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 19:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 19:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 19:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 19:17	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 19:17	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 19:17	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/10/21 09:06	06/10/21 19:17	1
1,4-Difluorobenzene (Surr)	118		70 - 130	06/10/21 09:06	06/10/21 19:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 22:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 22:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 22:30	1
Total TPH	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 22:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	06/10/21 10:07	06/11/21 22:30	1
o-Terphenyl	70		70 - 130	06/10/21 10:07	06/11/21 22:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.6		4.98	mg/Kg			06/12/21 01:47	1

Client Sample ID: S-5 1'

Lab Sample ID: 880-2932-17

Date Collected: 06/09/21 09:27

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 19:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 19:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 19:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 19:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 19:37	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 19:37	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/10/21 09:06	06/10/21 19:37	1
1,4-Difluorobenzene (Surr)	111		70 - 130	06/10/21 09:06	06/10/21 19:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 22:51	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-5 1'

Lab Sample ID: 880-2932-17

Date Collected: 06/09/21 09:27

Matrix: Solid

Date Received: 06/10/21 08:41

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	3750		49.9	mg/Kg		06/10/21 10:07	06/11/21 22:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 22:51	1
Total TPH	3750		49.9	mg/Kg		06/10/21 10:07	06/11/21 22:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			06/10/21 10:07	06/11/21 22:51	1
o-Terphenyl	76		70 - 130			06/10/21 10:07	06/11/21 22:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	920		4.96	mg/Kg			06/12/21 01:52	1

Client Sample ID: S-5 3'

Lab Sample ID: 880-2932-18

Date Collected: 06/09/21 09:28

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 19:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 19:58	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 19:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/21 09:06	06/10/21 19:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:06	06/10/21 19:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/21 09:06	06/10/21 19:58	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/10/21 09:06	06/10/21 19:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			06/10/21 09:06	06/10/21 19:58	1
1,4-Difluorobenzene (Surr)	129		70 - 130			06/10/21 09:06	06/10/21 19:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 23:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 23:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 23:11	1
Total TPH	<49.9	U	49.9	mg/Kg		06/10/21 10:07	06/11/21 23:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			06/10/21 10:07	06/11/21 23:11	1
o-Terphenyl	69	S1-	70 - 130			06/10/21 10:07	06/11/21 23:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		5.04	mg/Kg			06/12/21 01:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-5 5'

Lab Sample ID: 880-2932-19

Date Collected: 06/09/21 09:29

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 20:19	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 20:19	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 20:19	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/10/21 09:06	06/10/21 20:19	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 20:19	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		06/10/21 09:06	06/10/21 20:19	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		06/10/21 09:06	06/10/21 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/10/21 09:06	06/10/21 20:19	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/10/21 09:06	06/10/21 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 23:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 23:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 23:32	1
Total TPH	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	06/10/21 10:07	06/11/21 23:32	1
o-Terphenyl	74		70 - 130	06/10/21 10:07	06/11/21 23:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	336		5.02	mg/Kg			06/12/21 02:02	1

Client Sample ID: S-5 10'

Lab Sample ID: 880-2932-20

Date Collected: 06/09/21 09:30

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 20:39	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 20:39	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 20:39	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/10/21 09:06	06/10/21 20:39	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:06	06/10/21 20:39	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		06/10/21 09:06	06/10/21 20:39	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		06/10/21 09:06	06/10/21 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/10/21 09:06	06/10/21 20:39	1
1,4-Difluorobenzene (Surr)	120		70 - 130	06/10/21 09:06	06/10/21 20:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 23:53	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-5 10'

Lab Sample ID: 880-2932-20

Date Collected: 06/09/21 09:30

Matrix: Solid

Date Received: 06/10/21 08:41

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 23:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 23:53	1
Total TPH	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 23:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			06/10/21 10:07	06/11/21 23:53	1
o-Terphenyl	67	S1-	70 - 130			06/10/21 10:07	06/11/21 23:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.6		4.98	mg/Kg			06/12/21 02:07	1

Client Sample ID: S-6 1'

Lab Sample ID: 880-2932-21

Date Collected: 06/09/21 09:57

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:11	06/10/21 13:28	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:11	06/10/21 13:28	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:11	06/10/21 13:28	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/10/21 09:11	06/10/21 13:28	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/10/21 09:11	06/10/21 13:28	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		06/10/21 09:11	06/10/21 13:28	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		06/10/21 09:11	06/10/21 13:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			06/10/21 09:11	06/10/21 13:28	1
1,4-Difluorobenzene (Surr)	102		70 - 130			06/10/21 09:11	06/10/21 13:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/10/21 10:00	06/10/21 19:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/10/21 10:00	06/10/21 19:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/10/21 10:00	06/10/21 19:55	1
Total TPH	<49.8	U	49.8	mg/Kg		06/10/21 10:00	06/10/21 19:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			06/10/21 10:00	06/10/21 19:55	1
o-Terphenyl	109		70 - 130			06/10/21 10:00	06/10/21 19:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.8		5.05	mg/Kg			06/12/21 02:12	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-6 3'

Lab Sample ID: 880-2932-22

Date Collected: 06/09/21 09:58

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 13:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 13:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 13:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/10/21 09:11	06/10/21 13:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 13:48	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/10/21 09:11	06/10/21 13:48	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/10/21 09:11	06/10/21 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	06/10/21 09:11	06/10/21 13:48	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/10/21 09:11	06/10/21 13:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/10/21 10:00	06/10/21 20:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/10/21 10:00	06/10/21 20:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/21 10:00	06/10/21 20:16	1
Total TPH	<50.0	U	50.0	mg/Kg		06/10/21 10:00	06/10/21 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	06/10/21 10:00	06/10/21 20:16	1
o-Terphenyl	99		70 - 130	06/10/21 10:00	06/10/21 20:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.6		4.98	mg/Kg			06/12/21 02:17	1

Client Sample ID: S-6 5'

Lab Sample ID: 880-2932-23

Date Collected: 06/09/21 09:59

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 14:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 14:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 14:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 14:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 14:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 14:08	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	06/10/21 09:11	06/10/21 14:08	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/10/21 09:11	06/10/21 14:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/10/21 10:00	06/10/21 20:37	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-6 5'

Lab Sample ID: 880-2932-23

Date Collected: 06/09/21 09:59

Matrix: Solid

Date Received: 06/10/21 08:41

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/10/21 10:00	06/10/21 20:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/10/21 10:00	06/10/21 20:37	1
Total TPH	<49.9	U	49.9	mg/Kg		06/10/21 10:00	06/10/21 20:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			06/10/21 10:00	06/10/21 20:37	1
o-Terphenyl	100		70 - 130			06/10/21 10:00	06/10/21 20:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.68		4.99	mg/Kg			06/14/21 12:45	1

Client Sample ID: S-6 10'

Lab Sample ID: 880-2932-24

Date Collected: 06/09/21 10:00

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 14:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 14:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 14:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 14:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 14:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 14:29	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 14:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			06/10/21 09:11	06/10/21 14:29	1
1,4-Difluorobenzene (Surr)	101		70 - 130			06/10/21 09:11	06/10/21 14:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/10/21 10:00	06/10/21 20:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/10/21 10:00	06/10/21 20:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/10/21 10:00	06/10/21 20:58	1
Total TPH	<49.9	U	49.9	mg/Kg		06/10/21 10:00	06/10/21 20:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			06/10/21 10:00	06/10/21 20:58	1
o-Terphenyl	105		70 - 130			06/10/21 10:00	06/10/21 20:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		5.05	mg/Kg			06/14/21 12:59	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-7 1'

Lab Sample ID: 880-2932-25

Date Collected: 06/09/21 10:27

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 14:49	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 14:49	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 14:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 14:49	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 14:49	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 14:49	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	06/10/21 09:11	06/10/21 14:49	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/10/21 09:11	06/10/21 14:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/10/21 10:00	06/10/21 21:19	1
Diesel Range Organics (Over C10-C28)	2920		50.0	mg/Kg		06/10/21 10:00	06/10/21 21:19	1
Oil Range Organics (Over C28-C36)	435		50.0	mg/Kg		06/10/21 10:00	06/10/21 21:19	1
Total TPH	3360		50.0	mg/Kg		06/10/21 10:00	06/10/21 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	06/10/21 10:00	06/10/21 21:19	1
o-Terphenyl	94		70 - 130	06/10/21 10:00	06/10/21 21:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1540		25.1	mg/Kg			06/11/21 21:33	5

Client Sample ID: S-7 3'

Lab Sample ID: 880-2932-26

Date Collected: 06/09/21 10:28

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 15:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 15:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 15:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/10/21 09:11	06/10/21 15:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 15:09	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/10/21 09:11	06/10/21 15:09	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/10/21 09:11	06/10/21 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/10/21 09:11	06/10/21 15:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/10/21 09:11	06/10/21 15:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/10/21 10:00	06/10/21 21:40	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-7 3'

Lab Sample ID: 880-2932-26

Date Collected: 06/09/21 10:28

Matrix: Solid

Date Received: 06/10/21 08:41

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/10/21 10:00	06/10/21 21:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/21 10:00	06/10/21 21:40	1
Total TPH	<50.0	U	50.0	mg/Kg		06/10/21 10:00	06/10/21 21:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			06/10/21 10:00	06/10/21 21:40	1
o-Terphenyl	112		70 - 130			06/10/21 10:00	06/10/21 21:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		24.9	mg/Kg			06/11/21 21:38	5

Client Sample ID: S-7 5'

Lab Sample ID: 880-2932-27

Date Collected: 06/09/21 10:29

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 15:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 15:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 15:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/10/21 09:11	06/10/21 15:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 15:30	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/10/21 09:11	06/10/21 15:30	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/10/21 09:11	06/10/21 15:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			06/10/21 09:11	06/10/21 15:30	1
1,4-Difluorobenzene (Surr)	103		70 - 130			06/10/21 09:11	06/10/21 15:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/11/21 08:31	06/12/21 12:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/11/21 08:31	06/12/21 12:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/11/21 08:31	06/12/21 12:31	1
Total TPH	<50.0	U	50.0	mg/Kg		06/11/21 08:31	06/12/21 12:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			06/11/21 08:31	06/12/21 12:31	1
o-Terphenyl	82		70 - 130			06/11/21 08:31	06/12/21 12:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2360		24.9	mg/Kg			06/11/21 21:43	5

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-7 10'

Lab Sample ID: 880-2932-28

Date Collected: 06/09/21 10:30

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/10/21 09:11	06/10/21 15:50	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/10/21 09:11	06/10/21 15:50	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/10/21 09:11	06/10/21 15:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		06/10/21 09:11	06/10/21 15:50	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/10/21 09:11	06/10/21 15:50	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/10/21 09:11	06/10/21 15:50	1
Total BTEX	<0.00404	U	0.00404	mg/Kg		06/10/21 09:11	06/10/21 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	06/10/21 09:11	06/10/21 15:50	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/10/21 09:11	06/10/21 15:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 02:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 02:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 02:30	1
Total TPH	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	06/11/21 15:21	06/14/21 02:30	1
o-Terphenyl	94		70 - 130	06/11/21 15:21	06/14/21 02:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.2		4.95	mg/Kg			06/14/21 13:04	1

Client Sample ID: S-8 1'

Lab Sample ID: 880-2932-29

Date Collected: 06/09/21 10:42

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 16:11	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 16:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 16:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 16:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 16:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 16:11	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	06/10/21 09:11	06/10/21 16:11	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/10/21 09:11	06/10/21 16:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/11/21 15:21	06/14/21 02:51	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-8 1'

Lab Sample ID: 880-2932-29

Date Collected: 06/09/21 10:42

Matrix: Solid

Date Received: 06/10/21 08:41

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	334		49.8	mg/Kg		06/11/21 15:21	06/14/21 02:51	1
Oil Range Organics (Over C28-C36)	53.3		49.8	mg/Kg		06/11/21 15:21	06/14/21 02:51	1
Total TPH	387		49.8	mg/Kg		06/11/21 15:21	06/14/21 02:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	06/11/21 15:21	06/14/21 02:51	1
o-Terphenyl	96		70 - 130	06/11/21 15:21	06/14/21 02:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	884		24.8	mg/Kg			06/11/21 22:02	5

Client Sample ID: S-8 3'

Lab Sample ID: 880-2932-30

Date Collected: 06/09/21 10:43

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 16:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 16:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 16:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/10/21 09:11	06/10/21 16:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 16:31	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/10/21 09:11	06/10/21 16:31	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/10/21 09:11	06/10/21 16:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	06/10/21 09:11	06/10/21 16:31	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/10/21 09:11	06/10/21 16:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/11/21 15:21	06/14/21 03:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/11/21 15:21	06/14/21 03:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/11/21 15:21	06/14/21 03:12	1
Total TPH	<49.8	U	49.8	mg/Kg		06/11/21 15:21	06/14/21 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	06/11/21 15:21	06/14/21 03:12	1
o-Terphenyl	80		70 - 130	06/11/21 15:21	06/14/21 03:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.9		5.00	mg/Kg			06/14/21 13:09	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-8 5'

Lab Sample ID: 880-2932-31

Date Collected: 06/09/21 10:44

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 18:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 18:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 18:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/10/21 09:11	06/10/21 18:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 18:22	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/10/21 09:11	06/10/21 18:22	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/10/21 09:11	06/10/21 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/10/21 09:11	06/10/21 18:22	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/10/21 09:11	06/10/21 18:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 03:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 03:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 03:33	1
Total TPH	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	06/11/21 15:21	06/14/21 03:33	1
o-Terphenyl	77		70 - 130	06/11/21 15:21	06/14/21 03:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	264		5.04	mg/Kg			06/14/21 13:14	1

Client Sample ID: S-8 10'

Lab Sample ID: 880-2932-32

Date Collected: 06/09/21 10:45

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/10/21 09:11	06/10/21 18:43	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/10/21 09:11	06/10/21 18:43	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/10/21 09:11	06/10/21 18:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/10/21 09:11	06/10/21 18:43	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/10/21 09:11	06/10/21 18:43	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/10/21 09:11	06/10/21 18:43	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/10/21 09:11	06/10/21 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	06/10/21 09:11	06/10/21 18:43	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/10/21 09:11	06/10/21 18:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 03:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-8 10'

Lab Sample ID: 880-2932-32

Date Collected: 06/09/21 10:45

Matrix: Solid

Date Received: 06/10/21 08:41

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 03:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 03:54	1
Total TPH	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 03:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			06/11/21 15:21	06/14/21 03:54	1
o-Terphenyl	92		70 - 130			06/11/21 15:21	06/14/21 03:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		5.05	mg/Kg			06/14/21 13:19	1

Client Sample ID: S-10 1'

Lab Sample ID: 880-2932-33

Date Collected: 06/09/21 11:12

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 19:03	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 19:03	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 19:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 19:03	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 19:03	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 19:03	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			06/10/21 09:11	06/10/21 19:03	1
1,4-Difluorobenzene (Surr)	102		70 - 130			06/10/21 09:11	06/10/21 19:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 04:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 04:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 04:15	1
Total TPH	<49.9	U	49.9	mg/Kg		06/11/21 15:21	06/14/21 04:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130			06/11/21 15:21	06/14/21 04:15	1
o-Terphenyl	83		70 - 130			06/11/21 15:21	06/14/21 04:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.98	mg/Kg			06/11/21 22:22	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-10 3'

Lab Sample ID: 880-2932-34

Date Collected: 06/09/21 11:13

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/10/21 09:11	06/10/21 19:23	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/10/21 09:11	06/10/21 19:23	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/10/21 09:11	06/10/21 19:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/10/21 09:11	06/10/21 19:23	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/10/21 09:11	06/10/21 19:23	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/10/21 09:11	06/10/21 19:23	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/10/21 09:11	06/10/21 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	06/10/21 09:11	06/10/21 19:23	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/10/21 09:11	06/10/21 19:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/11/21 15:21	06/14/21 04:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/11/21 15:21	06/14/21 04:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/11/21 15:21	06/14/21 04:57	1
Total TPH	<50.0	U	50.0	mg/Kg		06/11/21 15:21	06/14/21 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	06/11/21 15:21	06/14/21 04:57	1
o-Terphenyl	90		70 - 130	06/11/21 15:21	06/14/21 04:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.9		5.04	mg/Kg			06/11/21 22:37	1

Client Sample ID: S-10 5'

Lab Sample ID: 880-2932-35

Date Collected: 06/09/21 11:14

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 19:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 19:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 19:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/10/21 09:11	06/10/21 19:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 19:44	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/10/21 09:11	06/10/21 19:44	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/10/21 09:11	06/10/21 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	06/10/21 09:11	06/10/21 19:44	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/10/21 09:11	06/10/21 19:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		06/11/21 15:21	06/14/21 05:18	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-10 5'

Lab Sample ID: 880-2932-35

Date Collected: 06/09/21 11:14

Matrix: Solid

Date Received: 06/10/21 08:41

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/11/21 15:21	06/14/21 05:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/11/21 15:21	06/14/21 05:18	1
Total TPH	<49.7	U	49.7	mg/Kg		06/11/21 15:21	06/14/21 05:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130			06/11/21 15:21	06/14/21 05:18	1
o-Terphenyl	73		70 - 130			06/11/21 15:21	06/14/21 05:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.27		4.97	mg/Kg			06/14/21 13:24	1

Client Sample ID: S-10 10'

Lab Sample ID: 880-2932-36

Date Collected: 06/09/21 11:15

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 20:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 20:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 20:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/10/21 09:11	06/10/21 20:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 20:04	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/10/21 09:11	06/10/21 20:04	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/10/21 09:11	06/10/21 20:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			06/10/21 09:11	06/10/21 20:04	1
1,4-Difluorobenzene (Surr)	104		70 - 130			06/10/21 09:11	06/10/21 20:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/11/21 15:21	06/14/21 05:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/11/21 15:21	06/14/21 05:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/11/21 15:21	06/14/21 05:39	1
Total TPH	<49.8	U	49.8	mg/Kg		06/11/21 15:21	06/14/21 05:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130			06/11/21 15:21	06/14/21 05:39	1
o-Terphenyl	77		70 - 130			06/11/21 15:21	06/14/21 05:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.80		4.95	mg/Kg			06/14/21 13:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-13 0.5'

Lab Sample ID: 880-2932-37

Date Collected: 06/09/21 11:40

Matrix: Solid

Date Received: 06/10/21 08:41

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 20:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 20:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 20:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 20:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/21 09:11	06/10/21 20:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 20:25	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/10/21 09:11	06/10/21 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	06/10/21 09:11	06/10/21 20:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/10/21 09:11	06/10/21 20:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	318		49.7	mg/Kg		06/11/21 15:21	06/14/21 06:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/11/21 15:21	06/14/21 06:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/11/21 15:21	06/14/21 06:00	1
Total TPH	318		49.7	mg/Kg		06/11/21 15:21	06/14/21 06:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	06/11/21 15:21	06/14/21 06:00	1
o-Terphenyl	101		70 - 130	06/11/21 15:21	06/14/21 06:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.7		5.05	mg/Kg			06/14/21 13:34	1

Eurofins Xenco, Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-2932-1	S-1 1'	91	112
880-2932-1 MS	S-1 1'	99	118
880-2932-1 MSD	S-1 1'	97	110
880-2932-2	S-1 3'	101	112
880-2932-3	S-1 5'	96	122
880-2932-4	S-1 10'	104	137 S1+
880-2932-5	S-2 1'	95	118
880-2932-6	S-2 3'	97	110
880-2932-7	S-2 5'	106	127
880-2932-8	S-2 10'	108	126
880-2932-9	S-3 1'	100	132 S1+
880-2932-10	S-3 3'	114	132 S1+
880-2932-11	S-3 5'	92	121
880-2932-12	S-3 10'	91	122
880-2932-13	S-4 1'	100	127
880-2932-14	S-4 3'	102	110
880-2932-15	S-4 5'	99	122
880-2932-16	S-4 10'	101	118
880-2932-17	S-5 1'	101	111
880-2932-18	S-5 3'	105	129
880-2932-19	S-5 5'	89	103
880-2932-20	S-5 10'	101	120
880-2932-21	S-6 1'	110	102
880-2932-21 MS	S-6 1'	110	96
880-2932-21 MSD	S-6 1'	119	97
880-2932-22	S-6 3'	122	102
880-2932-23	S-6 5'	125	99
880-2932-24	S-6 10'	116	101
880-2932-25	S-7 1'	118	99
880-2932-26	S-7 3'	116	101
880-2932-27	S-7 5'	121	103
880-2932-28	S-7 10'	119	99
880-2932-29	S-8 1'	115	103
880-2932-30	S-8 3'	120	103
880-2932-31	S-8 5'	116	100
880-2932-32	S-8 10'	121	101
880-2932-33	S-10 1'	124	102
880-2932-34	S-10 3'	123	102
880-2932-35	S-10 5'	125	102
880-2932-36	S-10 10'	125	104
880-2932-37	S-13 0.5'	121	101
LCS 880-3955/1-A	Lab Control Sample	87	91
LCS 880-3956/1-A	Lab Control Sample	107	98
LCSD 880-3955/2-A	Lab Control Sample Dup	98	108
LCSD 880-3956/2-A	Lab Control Sample Dup	106	98
MB 880-3955/5-A	Method Blank	103	93
MB 880-3956/5-A	Method Blank	112	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Eurofins Xenco, Midland

Surrogate Summary

Client: Larson & Associates, Inc.
 Project/Site: Skeen 2 26 27 State 003
 DFBZ = 1,4-Difluorobenzene (Surr)

Job ID: 880-2932-1
 SDG: 21-0100-08

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-2913-A-1-G MS	Matrix Spike	90	87
880-2913-A-1-H MSD	Matrix Spike Duplicate	98	93
880-2932-1	S-1 1'	76	63 S1-
880-2932-1 MS	S-1 1'	82	64 S1-
880-2932-1 MSD	S-1 1'	80	63 S1-
880-2932-2	S-1 3'	79	66 S1-
880-2932-3	S-1 5'	95	78
880-2932-4	S-1 10'	82	68 S1-
880-2932-5	S-2 1'	80	68 S1-
880-2932-6	S-2 3'	91	75
880-2932-7	S-2 5'	79	65 S1-
880-2932-8	S-2 10'	84	69 S1-
880-2932-9	S-3 1'	76	65 S1-
880-2932-10	S-3 3'	79	66 S1-
880-2932-11	S-3 5'	96	83
880-2932-12	S-3 10'	87	75
880-2932-13	S-4 1'	81	70
880-2932-14	S-4 3'	81	69 S1-
880-2932-15	S-4 5'	81	67 S1-
880-2932-16	S-4 10'	83	70
880-2932-17	S-5 1'	88	76
880-2932-18	S-5 3'	82	69 S1-
880-2932-19	S-5 5'	85	74
880-2932-20	S-5 10'	82	67 S1-
880-2932-21	S-6 1'	106	109
880-2932-22	S-6 3'	99	99
880-2932-23	S-6 5'	98	100
880-2932-24	S-6 10'	105	105
880-2932-25	S-7 1'	110	94
880-2932-26	S-7 3'	107	112
880-2932-27	S-7 5'	82	82
880-2932-28	S-7 10'	99	94
880-2932-29	S-8 1'	99	96
880-2932-30	S-8 3'	83	80
880-2932-31	S-8 5'	80	77
880-2932-32	S-8 10'	96	92
880-2932-33	S-10 1'	84	83
880-2932-34	S-10 3'	87	90
880-2932-35	S-10 5'	77	73
880-2932-36	S-10 10'	80	77
880-2932-37	S-13 0.5'	97	101
880-2959-A-21-F MS	Matrix Spike	75	66 S1-
880-2959-A-21-G MSD	Matrix Spike Duplicate	79	69 S1-
890-793-A-1-F MS	Matrix Spike	92	84
890-793-A-1-G MSD	Matrix Spike Duplicate	98	86
LCS 880-3950/2-A	Lab Control Sample	87	86
LCS 880-3962/2-A	Lab Control Sample	83	64 S1-
LCS 880-4006/2-A	Lab Control Sample	92	83

Eurofins Xenco, Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

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)
LCS 880-4045/2-A	Lab Control Sample	93	86
LCSD 880-3950/3-A	Lab Control Sample Dup	89	89
LCSD 880-3962/3-A	Lab Control Sample Dup	88	70
LCSD 880-4006/3-A	Lab Control Sample Dup	93	86
LCSD 880-4045/3-A	Lab Control Sample Dup	90	86
MB 880-3950/1-A	Method Blank	96	102
MB 880-3962/1-A	Method Blank	73	62 S1-
MB 880-4006/1-A	Method Blank	84	82
MB 880-4045/1-A	Method Blank	96	101

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3955/5-A

Matrix: Solid

Analysis Batch: 3957

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3955

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.002142		0.00200	mg/Kg		06/10/21 09:06	06/10/21 12:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 12:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 12:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 12:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:06	06/10/21 12:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 12:42	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/10/21 09:06	06/10/21 12:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/10/21 09:06	06/10/21 12:42	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/10/21 09:06	06/10/21 12:42	1

Lab Sample ID: LCS 880-3955/1-A

Matrix: Solid

Analysis Batch: 3957

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08839		mg/Kg		88	70 - 130
Toluene	0.100	0.09246		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09356		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1854		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09212		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-3955/2-A

Matrix: Solid

Analysis Batch: 3957

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3955

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1016		mg/Kg		102	70 - 130	14	35
Toluene	0.100	0.1114		mg/Kg		111	70 - 130	19	35
Ethylbenzene	0.100	0.1068		mg/Kg		107	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.2129		mg/Kg		106	70 - 130	14	35
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-2932-1 MS

Matrix: Solid

Analysis Batch: 3957

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 3955

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.101	0.07759		mg/Kg		77	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

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

Lab Sample ID: 880-2932-1 MS

Matrix: Solid

Analysis Batch: 3957

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 3955

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00200	U	0.101	0.07944		mg/Kg		79	70 - 130
Ethylbenzene	<0.00200	U F1	0.101	0.07206		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.201	0.1396	F1	mg/Kg		69	70 - 130
o-Xylene	<0.00200	U F1	0.101	0.06806	F1	mg/Kg		68	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	99		70 - 130						
1,4-Difluorobenzene (Surr)	118		70 - 130						

Lab Sample ID: 880-2932-1 MSD

Matrix: Solid

Analysis Batch: 3957

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 3955

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	0.07308		mg/Kg		74	70 - 130	6	35
Toluene	<0.00200	U	0.0990	0.07262		mg/Kg		73	70 - 130	9	35
Ethylbenzene	<0.00200	U F1	0.0990	0.06714	F1	mg/Kg		68	70 - 130	7	35
m-Xylene & p-Xylene	<0.00399	U F1	0.198	0.1303	F1	mg/Kg		66	70 - 130	7	35
o-Xylene	<0.00200	U F1	0.0990	0.06402	F1	mg/Kg		65	70 - 130	6	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	97		70 - 130								
1,4-Difluorobenzene (Surr)	110		70 - 130								

Lab Sample ID: MB 880-3956/5-A

Matrix: Solid

Analysis Batch: 3958

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3956

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 12:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 12:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 12:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/10/21 09:11	06/10/21 12:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/21 09:11	06/10/21 12:58	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/10/21 09:11	06/10/21 12:58	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/10/21 09:11	06/10/21 12:58	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			06/10/21 09:11	06/10/21 12:58	1
1,4-Difluorobenzene (Surr)	95		70 - 130			06/10/21 09:11	06/10/21 12:58	1

Lab Sample ID: LCS 880-3956/1-A

Matrix: Solid

Analysis Batch: 3958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09621		mg/Kg		96	70 - 130
Toluene	0.100	0.1113		mg/Kg		111	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

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

Lab Sample ID: LCS 880-3956/1-A

Matrix: Solid

Analysis Batch: 3958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.100	0.1160		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2397		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1197		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-3956/2-A

Matrix: Solid

Analysis Batch: 3958

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3956

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09832		mg/Kg		98	70 - 130	2	35
Toluene	0.100	0.1118		mg/Kg		112	70 - 130	1	35
Ethylbenzene	0.100	0.1149		mg/Kg		115	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2371		mg/Kg		119	70 - 130	1	35
o-Xylene	0.100	0.1184		mg/Kg		118	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-2932-21 MS

Matrix: Solid

Analysis Batch: 3958

Client Sample ID: S-6 1'

Prep Type: Total/NA

Prep Batch: 3956

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.0990	0.08121		mg/Kg		82	70 - 130
Toluene	<0.00198	U	0.0990	0.09788		mg/Kg		99	70 - 130
Ethylbenzene	<0.00198	U	0.0990	0.1014		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.198	0.2117		mg/Kg		107	70 - 130
o-Xylene	<0.00198	U	0.0990	0.1056		mg/Kg		107	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-2932-21 MSD

Matrix: Solid

Analysis Batch: 3958

Client Sample ID: S-6 1'

Prep Type: Total/NA

Prep Batch: 3956

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00198	U	0.0996	0.07990		mg/Kg		80	70 - 130	2	35
Toluene	<0.00198	U	0.0996	0.09854		mg/Kg		99	70 - 130	1	35
Ethylbenzene	<0.00198	U	0.0996	0.1036		mg/Kg		104	70 - 130	2	35
m-Xylene & p-Xylene	<0.00396	U	0.199	0.2171		mg/Kg		109	70 - 130	3	35
o-Xylene	<0.00198	U	0.0996	0.1094		mg/Kg		110	70 - 130	4	35

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-3950/1-A

Matrix: Solid

Analysis Batch: 3963

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3950

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		06/10/21 08:29	06/10/21 11:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/10/21 08:29	06/10/21 11:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/21 08:29	06/10/21 11:17	1
Total TPH	<50.0	U	50.0	mg/Kg		06/10/21 08:29	06/10/21 11:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/10/21 08:29	06/10/21 11:17	1
o-Terphenyl	102		70 - 130	06/10/21 08:29	06/10/21 11:17	1

Lab Sample ID: LCS 880-3950/2-A

Matrix: Solid

Analysis Batch: 3963

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3950

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	829.1		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	984.1		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: LCSD 880-3950/3-A

Matrix: Solid

Analysis Batch: 3963

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3950

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	798.9		mg/Kg		80	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1024		mg/Kg		102	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	89		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

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

Lab Sample ID: 880-2913-A-1-G MS

Matrix: Solid

Analysis Batch: 3963

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3950

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	868.2		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	999	1119		mg/Kg		112	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	90		70 - 130						
o-Terphenyl	87		70 - 130						

Lab Sample ID: 880-2913-A-1-H MSD

Matrix: Solid

Analysis Batch: 3963

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3950

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1052		mg/Kg		105	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1206		mg/Kg		121	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	93		70 - 130								

Lab Sample ID: MB 880-3962/1-A

Matrix: Solid

Analysis Batch: 4007

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3962

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		06/10/21 10:07	06/11/21 14:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 14:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 14:28	1
Total TPH	<50.0	U	50.0	mg/Kg		06/10/21 10:07	06/11/21 14:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130			06/10/21 10:07	06/11/21 14:28	1
o-Terphenyl	62	S1-	70 - 130			06/10/21 10:07	06/11/21 14:28	1

Lab Sample ID: LCS 880-3962/2-A

Matrix: Solid

Analysis Batch: 4007

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3962

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	788.0		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	1000	761.7		mg/Kg		76	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

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

Lab Sample ID: LCS 880-3962/2-A

Matrix: Solid

Analysis Batch: 4007

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3962

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	64	S1-	70 - 130

Lab Sample ID: LCSD 880-3962/3-A

Matrix: Solid

Analysis Batch: 4007

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3962

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	817.7		mg/Kg		82	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	830.1		mg/Kg		83	70 - 130	9	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier									
1-Chlorooctane	88										
o-Terphenyl	70										

Lab Sample ID: 880-2932-1 MS

Matrix: Solid

Analysis Batch: 4007

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 3962

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	752.4		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)	220	F1	999	727.9	F1	mg/Kg		51	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier									
1-Chlorooctane	82										
o-Terphenyl	64	S1-									

Lab Sample ID: 880-2932-1 MSD

Matrix: Solid

Analysis Batch: 4007

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 3962

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	742.4		mg/Kg		74	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	220	F1	998	698.6	F1	mg/Kg		48	70 - 130	4	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier									
1-Chlorooctane	80										
o-Terphenyl	63	S1-									

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

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

Lab Sample ID: MB 880-4006/1-A

Matrix: Solid

Analysis Batch: 4009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4006

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		06/11/21 08:31	06/12/21 00:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/11/21 08:31	06/12/21 00:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/11/21 08:31	06/12/21 00:35	1
Total TPH	<50.0	U	50.0	mg/Kg		06/11/21 08:31	06/12/21 00:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	06/11/21 08:31	06/12/21 00:35	1
o-Terphenyl	82		70 - 130	06/11/21 08:31	06/12/21 00:35	1

Lab Sample ID: LCS 880-4006/2-A

Matrix: Solid

Analysis Batch: 4009

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 4006

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1003		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1148		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: LCSD 880-4006/3-A

Matrix: Solid

Analysis Batch: 4009

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4006

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	951.4		mg/Kg		95	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1097		mg/Kg		110	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 880-2959-A-21-F MS

Matrix: Solid

Analysis Batch: 4009

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 4006

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	743.3		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	188	F1	999	836.9	F1	mg/Kg		65	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

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

Lab Sample ID: 880-2959-A-21-F MS

Matrix: Solid

Analysis Batch: 4009

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 4006

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	66	S1-	70 - 130

Lab Sample ID: 880-2959-A-21-G MSD

Matrix: Solid

Analysis Batch: 4009

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 4006

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	842.6		mg/Kg		84	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	188	F1	998	865.9	F1	mg/Kg		68	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	69	S1-	70 - 130

Lab Sample ID: MB 880-4045/1-A

Matrix: Solid

Analysis Batch: 4069

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4045

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		06/11/21 15:21	06/13/21 23:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/11/21 15:21	06/13/21 23:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/11/21 15:21	06/13/21 23:23	1
Total TPH	<50.0	U	50.0	mg/Kg		06/11/21 15:21	06/13/21 23:23	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	96		70 - 130	06/11/21 15:21	06/13/21 23:23	1
o-Terphenyl	101		70 - 130	06/11/21 15:21	06/13/21 23:23	1

Lab Sample ID: LCS 880-4045/2-A

Matrix: Solid

Analysis Batch: 4069

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 4045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	864.4		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1006		mg/Kg		101	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	86		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

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

Lab Sample ID: LCSD 880-4045/3-A

Matrix: Solid

Analysis Batch: 4069

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4045

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	800.7		mg/Kg		80	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	982.3		mg/Kg		98	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	90		70 - 130						
o-Terphenyl	86		70 - 130						

Lab Sample ID: 890-793-A-1-F MS

Matrix: Solid

Analysis Batch: 4069

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 4045

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	877.0		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	999	1095		mg/Kg		110	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	84		70 - 130								

Lab Sample ID: 890-793-A-1-G MSD

Matrix: Solid

Analysis Batch: 4069

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 4045

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	966.2		mg/Kg		95	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1174		mg/Kg		118	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	86		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3967/1-A

Matrix: Solid

Analysis Batch: 4003

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			06/11/21 12:25	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-3967/2-A

Matrix: Solid

Analysis Batch: 4003

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	247.7		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-3967/3-A

Matrix: Solid

Analysis Batch: 4003

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	247.9		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-2931-A-11-B MS

Matrix: Solid

Analysis Batch: 4003

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4760		1250	6079		mg/Kg		105	90 - 110

Lab Sample ID: 880-2931-A-11-C MSD

Matrix: Solid

Analysis Batch: 4003

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4760		1250	6082		mg/Kg		106	90 - 110	0	20

Lab Sample ID: MB 880-3968/1-A

Matrix: Solid

Analysis Batch: 4004

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			06/11/21 23:50	1

Lab Sample ID: LCS 880-3968/2-A

Matrix: Solid

Analysis Batch: 4004

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	250.1		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-3968/3-A

Matrix: Solid

Analysis Batch: 4004

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	250.4		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-2932-3 MS

Matrix: Solid

Analysis Batch: 4004

Client Sample ID: S-1 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	993	F1	251	1190	F1	mg/Kg		78	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-2932-3 MSD

Matrix: Solid

Analysis Batch: 4004

Client Sample ID: S-1 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	993	F1	251	1188	F1	mg/Kg		78	90 - 110	0	20

Lab Sample ID: 880-2932-13 MS

Matrix: Solid

Analysis Batch: 4004

Client Sample ID: S-4 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	184		253	425.9		mg/Kg		96	90 - 110		

Lab Sample ID: 880-2932-13 MSD

Matrix: Solid

Analysis Batch: 4004

Client Sample ID: S-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	184		253	425.1		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-3969/1-A

Matrix: Solid

Analysis Batch: 4040

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			06/11/21 20:59	1

Lab Sample ID: LCS 880-3969/2-A

Matrix: Solid

Analysis Batch: 4040

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	245.7		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-3969/3-A

Matrix: Solid

Analysis Batch: 4040

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	246.4		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-2932-23 MS

Matrix: Solid

Analysis Batch: 4040

Client Sample ID: S-6 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	9.68		250	257.1		mg/Kg		99	90 - 110		

Lab Sample ID: 880-2932-23 MSD

Matrix: Solid

Analysis Batch: 4040

Client Sample ID: S-6 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9.68		250	257.0		mg/Kg		99	90 - 110	0	20

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-2932-33 MS

Matrix: Solid

Analysis Batch: 4040

Client Sample ID: S-10 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	106		249	347.3		mg/Kg		97	90 - 110		

Lab Sample ID: 880-2932-33 MSD

Matrix: Solid

Analysis Batch: 4040

Client Sample ID: S-10 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	106		249	349.2		mg/Kg		98	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

GC VOA

Prep Batch: 3955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-1	S-1 1'	Total/NA	Solid	5035	
880-2932-2	S-1 3'	Total/NA	Solid	5035	
880-2932-3	S-1 5'	Total/NA	Solid	5035	
880-2932-4	S-1 10'	Total/NA	Solid	5035	
880-2932-5	S-2 1'	Total/NA	Solid	5035	
880-2932-6	S-2 3'	Total/NA	Solid	5035	
880-2932-7	S-2 5'	Total/NA	Solid	5035	
880-2932-8	S-2 10'	Total/NA	Solid	5035	
880-2932-9	S-3 1'	Total/NA	Solid	5035	
880-2932-10	S-3 3'	Total/NA	Solid	5035	
880-2932-11	S-3 5'	Total/NA	Solid	5035	
880-2932-12	S-3 10'	Total/NA	Solid	5035	
880-2932-13	S-4 1'	Total/NA	Solid	5035	
880-2932-14	S-4 3'	Total/NA	Solid	5035	
880-2932-15	S-4 5'	Total/NA	Solid	5035	
880-2932-16	S-4 10'	Total/NA	Solid	5035	
880-2932-17	S-5 1'	Total/NA	Solid	5035	
880-2932-18	S-5 3'	Total/NA	Solid	5035	
880-2932-19	S-5 5'	Total/NA	Solid	5035	
880-2932-20	S-5 10'	Total/NA	Solid	5035	
MB 880-3955/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3955/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3955/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-2932-1 MS	S-1 1'	Total/NA	Solid	5035	
880-2932-1 MSD	S-1 1'	Total/NA	Solid	5035	

Prep Batch: 3956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-21	S-6 1'	Total/NA	Solid	5035	
880-2932-22	S-6 3'	Total/NA	Solid	5035	
880-2932-23	S-6 5'	Total/NA	Solid	5035	
880-2932-24	S-6 10'	Total/NA	Solid	5035	
880-2932-25	S-7 1'	Total/NA	Solid	5035	
880-2932-26	S-7 3'	Total/NA	Solid	5035	
880-2932-27	S-7 5'	Total/NA	Solid	5035	
880-2932-28	S-7 10'	Total/NA	Solid	5035	
880-2932-29	S-8 1'	Total/NA	Solid	5035	
880-2932-30	S-8 3'	Total/NA	Solid	5035	
880-2932-31	S-8 5'	Total/NA	Solid	5035	
880-2932-32	S-8 10'	Total/NA	Solid	5035	
880-2932-33	S-10 1'	Total/NA	Solid	5035	
880-2932-34	S-10 3'	Total/NA	Solid	5035	
880-2932-35	S-10 5'	Total/NA	Solid	5035	
880-2932-36	S-10 10'	Total/NA	Solid	5035	
880-2932-37	S-13 0.5'	Total/NA	Solid	5035	
MB 880-3956/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3956/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3956/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-2932-21 MS	S-6 1'	Total/NA	Solid	5035	
880-2932-21 MSD	S-6 1'	Total/NA	Solid	5035	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

GC VOA

Analysis Batch: 3957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-1	S-1 1'	Total/NA	Solid	8021B	3955
880-2932-2	S-1 3'	Total/NA	Solid	8021B	3955
880-2932-3	S-1 5'	Total/NA	Solid	8021B	3955
880-2932-4	S-1 10'	Total/NA	Solid	8021B	3955
880-2932-5	S-2 1'	Total/NA	Solid	8021B	3955
880-2932-6	S-2 3'	Total/NA	Solid	8021B	3955
880-2932-7	S-2 5'	Total/NA	Solid	8021B	3955
880-2932-8	S-2 10'	Total/NA	Solid	8021B	3955
880-2932-9	S-3 1'	Total/NA	Solid	8021B	3955
880-2932-10	S-3 3'	Total/NA	Solid	8021B	3955
880-2932-11	S-3 5'	Total/NA	Solid	8021B	3955
880-2932-12	S-3 10'	Total/NA	Solid	8021B	3955
880-2932-13	S-4 1'	Total/NA	Solid	8021B	3955
880-2932-14	S-4 3'	Total/NA	Solid	8021B	3955
880-2932-15	S-4 5'	Total/NA	Solid	8021B	3955
880-2932-16	S-4 10'	Total/NA	Solid	8021B	3955
880-2932-17	S-5 1'	Total/NA	Solid	8021B	3955
880-2932-18	S-5 3'	Total/NA	Solid	8021B	3955
880-2932-19	S-5 5'	Total/NA	Solid	8021B	3955
880-2932-20	S-5 10'	Total/NA	Solid	8021B	3955
MB 880-3955/5-A	Method Blank	Total/NA	Solid	8021B	3955
LCS 880-3955/1-A	Lab Control Sample	Total/NA	Solid	8021B	3955
LCSD 880-3955/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3955
880-2932-1 MS	S-1 1'	Total/NA	Solid	8021B	3955
880-2932-1 MSD	S-1 1'	Total/NA	Solid	8021B	3955

Analysis Batch: 3958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-21	S-6 1'	Total/NA	Solid	8021B	3956
880-2932-22	S-6 3'	Total/NA	Solid	8021B	3956
880-2932-23	S-6 5'	Total/NA	Solid	8021B	3956
880-2932-24	S-6 10'	Total/NA	Solid	8021B	3956
880-2932-25	S-7 1'	Total/NA	Solid	8021B	3956
880-2932-26	S-7 3'	Total/NA	Solid	8021B	3956
880-2932-27	S-7 5'	Total/NA	Solid	8021B	3956
880-2932-28	S-7 10'	Total/NA	Solid	8021B	3956
880-2932-29	S-8 1'	Total/NA	Solid	8021B	3956
880-2932-30	S-8 3'	Total/NA	Solid	8021B	3956
880-2932-31	S-8 5'	Total/NA	Solid	8021B	3956
880-2932-32	S-8 10'	Total/NA	Solid	8021B	3956
880-2932-33	S-10 1'	Total/NA	Solid	8021B	3956
880-2932-34	S-10 3'	Total/NA	Solid	8021B	3956
880-2932-35	S-10 5'	Total/NA	Solid	8021B	3956
880-2932-36	S-10 10'	Total/NA	Solid	8021B	3956
880-2932-37	S-13 0.5'	Total/NA	Solid	8021B	3956
MB 880-3956/5-A	Method Blank	Total/NA	Solid	8021B	3956
LCS 880-3956/1-A	Lab Control Sample	Total/NA	Solid	8021B	3956
LCSD 880-3956/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3956
880-2932-21 MS	S-6 1'	Total/NA	Solid	8021B	3956
880-2932-21 MSD	S-6 1'	Total/NA	Solid	8021B	3956

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

GC Semi VOA

Prep Batch: 3950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-21	S-6 1'	Total/NA	Solid	8015NM Prep	
880-2932-22	S-6 3'	Total/NA	Solid	8015NM Prep	
880-2932-23	S-6 5'	Total/NA	Solid	8015NM Prep	
880-2932-24	S-6 10'	Total/NA	Solid	8015NM Prep	
880-2932-25	S-7 1'	Total/NA	Solid	8015NM Prep	
880-2932-26	S-7 3'	Total/NA	Solid	8015NM Prep	
MB 880-3950/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3950/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3950/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-2913-A-1-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-2913-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 3962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-1	S-1 1'	Total/NA	Solid	8015NM Prep	
880-2932-2	S-1 3'	Total/NA	Solid	8015NM Prep	
880-2932-3	S-1 5'	Total/NA	Solid	8015NM Prep	
880-2932-4	S-1 10'	Total/NA	Solid	8015NM Prep	
880-2932-5	S-2 1'	Total/NA	Solid	8015NM Prep	
880-2932-6	S-2 3'	Total/NA	Solid	8015NM Prep	
880-2932-7	S-2 5'	Total/NA	Solid	8015NM Prep	
880-2932-8	S-2 10'	Total/NA	Solid	8015NM Prep	
880-2932-9	S-3 1'	Total/NA	Solid	8015NM Prep	
880-2932-10	S-3 3'	Total/NA	Solid	8015NM Prep	
880-2932-11	S-3 5'	Total/NA	Solid	8015NM Prep	
880-2932-12	S-3 10'	Total/NA	Solid	8015NM Prep	
880-2932-13	S-4 1'	Total/NA	Solid	8015NM Prep	
880-2932-14	S-4 3'	Total/NA	Solid	8015NM Prep	
880-2932-15	S-4 5'	Total/NA	Solid	8015NM Prep	
880-2932-16	S-4 10'	Total/NA	Solid	8015NM Prep	
880-2932-17	S-5 1'	Total/NA	Solid	8015NM Prep	
880-2932-18	S-5 3'	Total/NA	Solid	8015NM Prep	
880-2932-19	S-5 5'	Total/NA	Solid	8015NM Prep	
880-2932-20	S-5 10'	Total/NA	Solid	8015NM Prep	
MB 880-3962/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3962/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3962/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-2932-1 MS	S-1 1'	Total/NA	Solid	8015NM Prep	
880-2932-1 MSD	S-1 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 3963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-21	S-6 1'	Total/NA	Solid	8015B NM	3950
880-2932-22	S-6 3'	Total/NA	Solid	8015B NM	3950
880-2932-23	S-6 5'	Total/NA	Solid	8015B NM	3950
880-2932-24	S-6 10'	Total/NA	Solid	8015B NM	3950
880-2932-25	S-7 1'	Total/NA	Solid	8015B NM	3950
880-2932-26	S-7 3'	Total/NA	Solid	8015B NM	3950
MB 880-3950/1-A	Method Blank	Total/NA	Solid	8015B NM	3950
LCS 880-3950/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3950
LCSD 880-3950/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3950

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

GC Semi VOA (Continued)

Analysis Batch: 3963 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2913-A-1-G MS	Matrix Spike	Total/NA	Solid	8015B NM	3950
880-2913-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	3950

Prep Batch: 4006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-27	S-7 5'	Total/NA	Solid	8015NM Prep	
MB 880-4006/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4006/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4006/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-2959-A-21-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-2959-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-1	S-1 1'	Total/NA	Solid	8015B NM	3962
880-2932-2	S-1 3'	Total/NA	Solid	8015B NM	3962
880-2932-3	S-1 5'	Total/NA	Solid	8015B NM	3962
880-2932-4	S-1 10'	Total/NA	Solid	8015B NM	3962
880-2932-5	S-2 1'	Total/NA	Solid	8015B NM	3962
880-2932-6	S-2 3'	Total/NA	Solid	8015B NM	3962
880-2932-7	S-2 5'	Total/NA	Solid	8015B NM	3962
880-2932-8	S-2 10'	Total/NA	Solid	8015B NM	3962
880-2932-9	S-3 1'	Total/NA	Solid	8015B NM	3962
880-2932-10	S-3 3'	Total/NA	Solid	8015B NM	3962
880-2932-11	S-3 5'	Total/NA	Solid	8015B NM	3962
880-2932-12	S-3 10'	Total/NA	Solid	8015B NM	3962
880-2932-13	S-4 1'	Total/NA	Solid	8015B NM	3962
880-2932-14	S-4 3'	Total/NA	Solid	8015B NM	3962
880-2932-15	S-4 5'	Total/NA	Solid	8015B NM	3962
880-2932-16	S-4 10'	Total/NA	Solid	8015B NM	3962
880-2932-17	S-5 1'	Total/NA	Solid	8015B NM	3962
880-2932-18	S-5 3'	Total/NA	Solid	8015B NM	3962
880-2932-19	S-5 5'	Total/NA	Solid	8015B NM	3962
880-2932-20	S-5 10'	Total/NA	Solid	8015B NM	3962
MB 880-3962/1-A	Method Blank	Total/NA	Solid	8015B NM	3962
LCS 880-3962/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3962
LCSD 880-3962/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3962
880-2932-1 MS	S-1 1'	Total/NA	Solid	8015B NM	3962
880-2932-1 MSD	S-1 1'	Total/NA	Solid	8015B NM	3962

Analysis Batch: 4009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-27	S-7 5'	Total/NA	Solid	8015B NM	4006
MB 880-4006/1-A	Method Blank	Total/NA	Solid	8015B NM	4006
LCS 880-4006/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4006
LCSD 880-4006/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4006
880-2959-A-21-F MS	Matrix Spike	Total/NA	Solid	8015B NM	4006
880-2959-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	4006

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

GC Semi VOA

Prep Batch: 4045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-28	S-7 10'	Total/NA	Solid	8015NM Prep	
880-2932-29	S-8 1'	Total/NA	Solid	8015NM Prep	
880-2932-30	S-8 3'	Total/NA	Solid	8015NM Prep	
880-2932-31	S-8 5'	Total/NA	Solid	8015NM Prep	
880-2932-32	S-8 10'	Total/NA	Solid	8015NM Prep	
880-2932-33	S-10 1'	Total/NA	Solid	8015NM Prep	
880-2932-34	S-10 3'	Total/NA	Solid	8015NM Prep	
880-2932-35	S-10 5'	Total/NA	Solid	8015NM Prep	
880-2932-36	S-10 10'	Total/NA	Solid	8015NM Prep	
880-2932-37	S-13 0.5'	Total/NA	Solid	8015NM Prep	
MB 880-4045/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4045/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4045/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-793-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-793-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-28	S-7 10'	Total/NA	Solid	8015B NM	4045
880-2932-29	S-8 1'	Total/NA	Solid	8015B NM	4045
880-2932-30	S-8 3'	Total/NA	Solid	8015B NM	4045
880-2932-31	S-8 5'	Total/NA	Solid	8015B NM	4045
880-2932-32	S-8 10'	Total/NA	Solid	8015B NM	4045
880-2932-33	S-10 1'	Total/NA	Solid	8015B NM	4045
880-2932-34	S-10 3'	Total/NA	Solid	8015B NM	4045
880-2932-35	S-10 5'	Total/NA	Solid	8015B NM	4045
880-2932-36	S-10 10'	Total/NA	Solid	8015B NM	4045
880-2932-37	S-13 0.5'	Total/NA	Solid	8015B NM	4045
MB 880-4045/1-A	Method Blank	Total/NA	Solid	8015B NM	4045
LCS 880-4045/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4045
LCSD 880-4045/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4045
890-793-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	4045
890-793-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	4045

HPLC/IC

Leach Batch: 3967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-1	S-1 1'	Soluble	Solid	DI Leach	
880-2932-2	S-1 3'	Soluble	Solid	DI Leach	
MB 880-3967/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3967/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3967/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2931-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-2931-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 3968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-3	S-1 5'	Soluble	Solid	DI Leach	
880-2932-4	S-1 10'	Soluble	Solid	DI Leach	
880-2932-5	S-2 1'	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

HPLC/IC (Continued)

Leach Batch: 3968 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-6	S-2 3'	Soluble	Solid	DI Leach	
880-2932-7	S-2 5'	Soluble	Solid	DI Leach	
880-2932-8	S-2 10'	Soluble	Solid	DI Leach	
880-2932-9	S-3 1'	Soluble	Solid	DI Leach	
880-2932-10	S-3 3'	Soluble	Solid	DI Leach	
880-2932-11	S-3 5'	Soluble	Solid	DI Leach	
880-2932-12	S-3 10'	Soluble	Solid	DI Leach	
880-2932-13	S-4 1'	Soluble	Solid	DI Leach	
880-2932-14	S-4 3'	Soluble	Solid	DI Leach	
880-2932-15	S-4 5'	Soluble	Solid	DI Leach	
880-2932-16	S-4 10'	Soluble	Solid	DI Leach	
880-2932-17	S-5 1'	Soluble	Solid	DI Leach	
880-2932-18	S-5 3'	Soluble	Solid	DI Leach	
880-2932-19	S-5 5'	Soluble	Solid	DI Leach	
880-2932-20	S-5 10'	Soluble	Solid	DI Leach	
880-2932-21	S-6 1'	Soluble	Solid	DI Leach	
880-2932-22	S-6 3'	Soluble	Solid	DI Leach	
MB 880-3968/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3968/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3968/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2932-3 MS	S-1 5'	Soluble	Solid	DI Leach	
880-2932-3 MSD	S-1 5'	Soluble	Solid	DI Leach	
880-2932-13 MS	S-4 1'	Soluble	Solid	DI Leach	
880-2932-13 MSD	S-4 1'	Soluble	Solid	DI Leach	

Leach Batch: 3969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-23	S-6 5'	Soluble	Solid	DI Leach	
880-2932-24	S-6 10'	Soluble	Solid	DI Leach	
880-2932-25	S-7 1'	Soluble	Solid	DI Leach	
880-2932-26	S-7 3'	Soluble	Solid	DI Leach	
880-2932-27	S-7 5'	Soluble	Solid	DI Leach	
880-2932-28	S-7 10'	Soluble	Solid	DI Leach	
880-2932-29	S-8 1'	Soluble	Solid	DI Leach	
880-2932-30	S-8 3'	Soluble	Solid	DI Leach	
880-2932-31	S-8 5'	Soluble	Solid	DI Leach	
880-2932-32	S-8 10'	Soluble	Solid	DI Leach	
880-2932-33	S-10 1'	Soluble	Solid	DI Leach	
880-2932-34	S-10 3'	Soluble	Solid	DI Leach	
880-2932-35	S-10 5'	Soluble	Solid	DI Leach	
880-2932-36	S-10 10'	Soluble	Solid	DI Leach	
880-2932-37	S-13 0.5'	Soluble	Solid	DI Leach	
MB 880-3969/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3969/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3969/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-2932-23 MS	S-6 5'	Soluble	Solid	DI Leach	
880-2932-23 MSD	S-6 5'	Soluble	Solid	DI Leach	
880-2932-33 MS	S-10 1'	Soluble	Solid	DI Leach	
880-2932-33 MSD	S-10 1'	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

HPLC/IC

Analysis Batch: 4003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-1	S-1 1'	Soluble	Solid	300.0	3967
880-2932-2	S-1 3'	Soluble	Solid	300.0	3967
MB 880-3967/1-A	Method Blank	Soluble	Solid	300.0	3967
LCS 880-3967/2-A	Lab Control Sample	Soluble	Solid	300.0	3967
LCSD 880-3967/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3967
880-2931-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	3967
880-2931-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	3967

Analysis Batch: 4004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-3	S-1 5'	Soluble	Solid	300.0	3968
880-2932-4	S-1 10'	Soluble	Solid	300.0	3968
880-2932-5	S-2 1'	Soluble	Solid	300.0	3968
880-2932-6	S-2 3'	Soluble	Solid	300.0	3968
880-2932-7	S-2 5'	Soluble	Solid	300.0	3968
880-2932-8	S-2 10'	Soluble	Solid	300.0	3968
880-2932-9	S-3 1'	Soluble	Solid	300.0	3968
880-2932-10	S-3 3'	Soluble	Solid	300.0	3968
880-2932-11	S-3 5'	Soluble	Solid	300.0	3968
880-2932-12	S-3 10'	Soluble	Solid	300.0	3968
880-2932-13	S-4 1'	Soluble	Solid	300.0	3968
880-2932-14	S-4 3'	Soluble	Solid	300.0	3968
880-2932-15	S-4 5'	Soluble	Solid	300.0	3968
880-2932-16	S-4 10'	Soluble	Solid	300.0	3968
880-2932-17	S-5 1'	Soluble	Solid	300.0	3968
880-2932-18	S-5 3'	Soluble	Solid	300.0	3968
880-2932-19	S-5 5'	Soluble	Solid	300.0	3968
880-2932-20	S-5 10'	Soluble	Solid	300.0	3968
880-2932-21	S-6 1'	Soluble	Solid	300.0	3968
880-2932-22	S-6 3'	Soluble	Solid	300.0	3968
MB 880-3968/1-A	Method Blank	Soluble	Solid	300.0	3968
LCS 880-3968/2-A	Lab Control Sample	Soluble	Solid	300.0	3968
LCSD 880-3968/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3968
880-2932-3 MS	S-1 5'	Soluble	Solid	300.0	3968
880-2932-3 MSD	S-1 5'	Soluble	Solid	300.0	3968
880-2932-13 MS	S-4 1'	Soluble	Solid	300.0	3968
880-2932-13 MSD	S-4 1'	Soluble	Solid	300.0	3968

Analysis Batch: 4040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-23	S-6 5'	Soluble	Solid	300.0	3969
880-2932-24	S-6 10'	Soluble	Solid	300.0	3969
880-2932-25	S-7 1'	Soluble	Solid	300.0	3969
880-2932-26	S-7 3'	Soluble	Solid	300.0	3969
880-2932-27	S-7 5'	Soluble	Solid	300.0	3969
880-2932-28	S-7 10'	Soluble	Solid	300.0	3969
880-2932-29	S-8 1'	Soluble	Solid	300.0	3969
880-2932-30	S-8 3'	Soluble	Solid	300.0	3969
880-2932-31	S-8 5'	Soluble	Solid	300.0	3969
880-2932-32	S-8 10'	Soluble	Solid	300.0	3969
880-2932-33	S-10 1'	Soluble	Solid	300.0	3969

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

HPLC/IC (Continued)

Analysis Batch: 4040 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-2932-34	S-10 3'	Soluble	Solid	300.0	3969
880-2932-35	S-10 5'	Soluble	Solid	300.0	3969
880-2932-36	S-10 10'	Soluble	Solid	300.0	3969
880-2932-37	S-13 0.5'	Soluble	Solid	300.0	3969
MB 880-3969/1-A	Method Blank	Soluble	Solid	300.0	3969
LCS 880-3969/2-A	Lab Control Sample	Soluble	Solid	300.0	3969
LCSD 880-3969/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3969
880-2932-23 MS	S-6 5'	Soluble	Solid	300.0	3969
880-2932-23 MSD	S-6 5'	Soluble	Solid	300.0	3969
880-2932-33 MS	S-10 1'	Soluble	Solid	300.0	3969
880-2932-33 MSD	S-10 1'	Soluble	Solid	300.0	3969

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-1 1'

Date Collected: 06/08/21 12:12

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 13:04	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 15:30	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3967	06/10/21 10:45	CH	XEN MID
Soluble	Analysis	300.0		5			4003	06/11/21 14:47	CH	XEN MID

Client Sample ID: S-1 3'

Date Collected: 06/08/21 12:13

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 13:25	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 17:16	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3967	06/10/21 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			4003	06/14/21 12:30	CH	XEN MID

Client Sample ID: S-1 5'

Date Collected: 06/08/21 12:14

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 13:46	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 17:37	AM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 00:05	CH	XEN MID

Client Sample ID: S-1 10'

Date Collected: 06/08/21 12:15

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 14:06	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 17:58	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 00:19	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-2 1'

Date Collected: 06/08/21 13:10

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-5

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			4.98 g	5 mL	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 14:27	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 18:19	AM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 00:24	CH	XEN MID

Client Sample ID: S-2 3'

Date Collected: 06/08/21 13:11

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-6

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			4.95 g	5 mL	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 14:48	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 18:40	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 00:29	CH	XEN MID

Client Sample ID: S-2 5'

Date Collected: 06/08/21 15:29

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-7

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	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 15:08	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 19:01	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 00:34	CH	XEN MID

Client Sample ID: S-2 10'

Date Collected: 06/08/21 15:30

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-8

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			5.00 g	5 mL	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 15:29	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 19:22	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 00:49	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-3 1'

Date Collected: 06/09/21 08:13

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-9

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			5.03 g	5 mL	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 15:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 19:43	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 00:54	CH	XEN MID

Client Sample ID: S-3 3'

Date Collected: 06/09/21 08:14

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 16:11	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 20:04	AM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 00:58	CH	XEN MID

Client Sample ID: S-3 5'

Date Collected: 06/09/21 08:15

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 17:33	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 20:46	AM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 01:03	CH	XEN MID

Client Sample ID: S-3 10'

Date Collected: 06/09/21 08:16

Date Received: 06/10/21 08:41

Lab Sample ID: 880-2932-12

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	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 17:54	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 21:06	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 01:08	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-4 1'

Lab Sample ID: 880-2932-13

Date Collected: 06/09/21 08:57

Matrix: Solid

Date Received: 06/10/21 08:41

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	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 18:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 21:27	AM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 01:13	CH	XEN MID

Client Sample ID: S-4 3'

Lab Sample ID: 880-2932-14

Date Collected: 06/09/21 08:58

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 18:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 21:48	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 01:28	CH	XEN MID

Client Sample ID: S-4 5'

Lab Sample ID: 880-2932-15

Date Collected: 06/09/21 08:59

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 18:56	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 22:09	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 01:33	CH	XEN MID

Client Sample ID: S-4 10'

Lab Sample ID: 880-2932-16

Date Collected: 06/09/21 09:00

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 19:17	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 22:30	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 01:47	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-5 1'

Lab Sample ID: 880-2932-17

Date Collected: 06/09/21 09:27

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 19:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 22:51	AM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 01:52	CH	XEN MID

Client Sample ID: S-5 3'

Lab Sample ID: 880-2932-18

Date Collected: 06/09/21 09:28

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 19:58	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 23:11	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 01:57	CH	XEN MID

Client Sample ID: S-5 5'

Lab Sample ID: 880-2932-19

Date Collected: 06/09/21 09:29

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 20:19	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 23:32	AM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 02:02	CH	XEN MID

Client Sample ID: S-5 10'

Lab Sample ID: 880-2932-20

Date Collected: 06/09/21 09:30

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3955	06/10/21 09:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3957	06/10/21 20:39	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3962	06/10/21 10:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4007	06/11/21 23:53	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 02:07	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-6 1'

Lab Sample ID: 880-2932-21

Date Collected: 06/09/21 09:57

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 13:28	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3950	06/10/21 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3963	06/10/21 19:55	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 02:12	CH	XEN MID

Client Sample ID: S-6 3'

Lab Sample ID: 880-2932-22

Date Collected: 06/09/21 09:58

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 13:48	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3950	06/10/21 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3963	06/10/21 20:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3968	06/10/21 10:47	CH	XEN MID
Soluble	Analysis	300.0		1			4004	06/12/21 02:17	CH	XEN MID

Client Sample ID: S-6 5'

Lab Sample ID: 880-2932-23

Date Collected: 06/09/21 09:59

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 14:08	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3950	06/10/21 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3963	06/10/21 20:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			4040	06/14/21 12:45	CH	XEN MID

Client Sample ID: S-6 10'

Lab Sample ID: 880-2932-24

Date Collected: 06/09/21 10:00

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 14:29	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3950	06/10/21 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3963	06/10/21 20:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			4040	06/14/21 12:59	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-7 1'

Lab Sample ID: 880-2932-25

Date Collected: 06/09/21 10:27

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 14:49	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3950	06/10/21 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3963	06/10/21 21:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		5			4040	06/11/21 21:33	CH	XEN MID

Client Sample ID: S-7 3'

Lab Sample ID: 880-2932-26

Date Collected: 06/09/21 10:28

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 15:09	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3950	06/10/21 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3963	06/10/21 21:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		5			4040	06/11/21 21:38	CH	XEN MID

Client Sample ID: S-7 5'

Lab Sample ID: 880-2932-27

Date Collected: 06/09/21 10:29

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 15:30	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	4006	06/11/21 08:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4009	06/12/21 12:31	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		5			4040	06/11/21 21:43	CH	XEN MID

Client Sample ID: S-7 10'

Lab Sample ID: 880-2932-28

Date Collected: 06/09/21 10:30

Matrix: Solid

Date Received: 06/10/21 08:41

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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 15:50	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	4045	06/11/21 15:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/14/21 02:30	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			4040	06/14/21 13:04	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-8 1'

Lab Sample ID: 880-2932-29

Date Collected: 06/09/21 10:42

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 16:11	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	4045	06/11/21 15:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/14/21 02:51	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		5			4040	06/11/21 22:02	CH	XEN MID

Client Sample ID: S-8 3'

Lab Sample ID: 880-2932-30

Date Collected: 06/09/21 10:43

Matrix: Solid

Date Received: 06/10/21 08:41

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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 16:31	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	4045	06/11/21 15:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/14/21 03:12	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			4040	06/14/21 13:09	CH	XEN MID

Client Sample ID: S-8 5'

Lab Sample ID: 880-2932-31

Date Collected: 06/09/21 10:44

Matrix: Solid

Date Received: 06/10/21 08:41

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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 18:22	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	4045	06/11/21 15:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/14/21 03:33	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			4040	06/14/21 13:14	CH	XEN MID

Client Sample ID: S-8 10'

Lab Sample ID: 880-2932-32

Date Collected: 06/09/21 10:45

Matrix: Solid

Date Received: 06/10/21 08:41

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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 18:43	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	4045	06/11/21 15:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/14/21 03:54	AM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			4040	06/14/21 13:19	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-10 1'

Lab Sample ID: 880-2932-33

Date Collected: 06/09/21 11:12

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 19:03	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	4045	06/11/21 15:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/14/21 04:15	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	4040	06/11/21 22:22	CH	XEN MID

Client Sample ID: S-10 3'

Lab Sample ID: 880-2932-34

Date Collected: 06/09/21 11:13

Matrix: Solid

Date Received: 06/10/21 08:41

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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 19:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4045	06/11/21 15:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/14/21 04:57	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			4040	06/11/21 22:37	CH	XEN MID

Client Sample ID: S-10 5'

Lab Sample ID: 880-2932-35

Date Collected: 06/09/21 11:14

Matrix: Solid

Date Received: 06/10/21 08:41

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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 19:44	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	4045	06/11/21 15:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/14/21 05:18	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			4040	06/14/21 13:24	CH	XEN MID

Client Sample ID: S-10 10'

Lab Sample ID: 880-2932-36

Date Collected: 06/09/21 11:15

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 20:04	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	4045	06/11/21 15:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/14/21 05:39	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			4040	06/14/21 13:29	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Client Sample ID: S-13 0.5'

Lab Sample ID: 880-2932-37

Date Collected: 06/09/21 11:40

Matrix: Solid

Date Received: 06/10/21 08:41

Prep 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	3956	06/10/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3958	06/10/21 20:25	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	4045	06/11/21 15:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4069	06/14/21 06:00	AM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3969	06/10/21 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			4040	06/14/21 13:34	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Eurofins Xenco, Midland

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27 State 003

Job ID: 880-2932-1
SDG: 21-0100-08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-2932-1	S-1 1'	Solid	06/08/21 12:12	06/10/21 08:41	
880-2932-2	S-1 3'	Solid	06/08/21 12:13	06/10/21 08:41	
880-2932-3	S-1 5'	Solid	06/08/21 12:14	06/10/21 08:41	
880-2932-4	S-1 10'	Solid	06/08/21 12:15	06/10/21 08:41	
880-2932-5	S-2 1'	Solid	06/08/21 13:10	06/10/21 08:41	
880-2932-6	S-2 3'	Solid	06/08/21 13:11	06/10/21 08:41	
880-2932-7	S-2 5'	Solid	06/08/21 15:29	06/10/21 08:41	
880-2932-8	S-2 10'	Solid	06/08/21 15:30	06/10/21 08:41	
880-2932-9	S-3 1'	Solid	06/09/21 08:13	06/10/21 08:41	
880-2932-10	S-3 3'	Solid	06/09/21 08:14	06/10/21 08:41	
880-2932-11	S-3 5'	Solid	06/09/21 08:15	06/10/21 08:41	
880-2932-12	S-3 10'	Solid	06/09/21 08:16	06/10/21 08:41	
880-2932-13	S-4 1'	Solid	06/09/21 08:57	06/10/21 08:41	
880-2932-14	S-4 3'	Solid	06/09/21 08:58	06/10/21 08:41	
880-2932-15	S-4 5'	Solid	06/09/21 08:59	06/10/21 08:41	
880-2932-16	S-4 10'	Solid	06/09/21 09:00	06/10/21 08:41	
880-2932-17	S-5 1'	Solid	06/09/21 09:27	06/10/21 08:41	
880-2932-18	S-5 3'	Solid	06/09/21 09:28	06/10/21 08:41	
880-2932-19	S-5 5'	Solid	06/09/21 09:29	06/10/21 08:41	
880-2932-20	S-5 10'	Solid	06/09/21 09:30	06/10/21 08:41	
880-2932-21	S-6 1'	Solid	06/09/21 09:57	06/10/21 08:41	
880-2932-22	S-6 3'	Solid	06/09/21 09:58	06/10/21 08:41	
880-2932-23	S-6 5'	Solid	06/09/21 09:59	06/10/21 08:41	
880-2932-24	S-6 10'	Solid	06/09/21 10:00	06/10/21 08:41	
880-2932-25	S-7 1'	Solid	06/09/21 10:27	06/10/21 08:41	
880-2932-26	S-7 3'	Solid	06/09/21 10:28	06/10/21 08:41	
880-2932-27	S-7 5'	Solid	06/09/21 10:29	06/10/21 08:41	
880-2932-28	S-7 10'	Solid	06/09/21 10:30	06/10/21 08:41	
880-2932-29	S-8 1'	Solid	06/09/21 10:42	06/10/21 08:41	
880-2932-30	S-8 3'	Solid	06/09/21 10:43	06/10/21 08:41	
880-2932-31	S-8 5'	Solid	06/09/21 10:44	06/10/21 08:41	
880-2932-32	S-8 10'	Solid	06/09/21 10:45	06/10/21 08:41	
880-2932-33	S-10 1'	Solid	06/09/21 11:12	06/10/21 08:41	
880-2932-34	S-10 3'	Solid	06/09/21 11:13	06/10/21 08:41	
880-2932-35	S-10 5'	Solid	06/09/21 11:14	06/10/21 08:41	
880-2932-36	S-10 10'	Solid	06/09/21 11:15	06/10/21 08:41	
880-2932-37	S-13 0.5'	Solid	06/09/21 11:40	06/10/21 08:41	

Eurofins Xenco, Midland

Marson & Associates, Inc.
Environmental Consultants

507 N. Warrenfield, Ste. 200
Midland, TX 79701
432-687-0901

880-2932 Chain of Custody



Data Reported to:

DATE: 6-10-2021 PAGE 1 OF 3
PO#: 21-0100-08 LAB WORK ORDER#:
PROJECT LOCATION OR NAME: Steen & Co. 87 Steen
LAI PROJECT #: 21-0100-08 COLLECTOR: MB + DSC

CHAIN-OF-CUSTODY

080-2452

Nº 1574

Field Sample ID	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION				ANALYSES	FIELD NOTES	
						HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE			UNPRESERVED
S-1 1'		6/8-11	12/13	S	1					X		
S-1 3'			12/13							X		
S-1 5'			12/14							X		
S-1 10'			12/15							X		
S-2 1'			13/10							X		
S-2 3'			13/11							X		
S-2 5'			15/29							X		
S-2 10'			15/30							X		
S-3 1'		6/9/21	08/13							X		
S-3 3'			08/14							X		
S-3 5'			08/15							X		
S-3 10'			08/16							X		
S-4 1'			08/57							X		
S-4 3'			08/58							X		
S-4 5'			08/59							X		
TOTAL 15												

Varson & Associates, Inc.

Environmental Consultants

507 N. Marientfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 6-10-21
PO#: 21-0100-08 LAB WORK ORDER#: 2 OF 3
PROJECT LOCATION OR NAME: STEEN & DB 67 State 003
LA PROJECT #: 21-0100-08 COLLECTOR: MB+DSG

Loc: 880
2932

No 1575

VIN-OF-CUSTODY

6/15/2021

TRRP report? ☐ Yes ☒ No		S=SOIL W=WATER A=AIR		P=PAINT SL=SLUDGE OT=OTHER		PRESERVATION HCl HNO ₃ H ₂ SO ₄ ☐ NaOH ☐ ICE UNPRESERVED		ANALYSES BTX ☐ MTBE ☐ TPH 1005 ☐ TPH 1006 ☐ TPH 418 ☐ TPH 1005 ☐ TPH 1006 ☐ GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ OIL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ TBLP - METALS (RCRA) ☐ TOLP VOC ☐ TOTAL METALS (RCRA) ☐ SEMI-VOC ☐ LEAD - TOTAL ☐ DW 200.8 ☐ TOLP ☐ RCI ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ pH ☐ HEXAVALENT CHROMIUM ☐ EXPLOSIVES ☐ PECTHLOMATE ☐ CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	
Field Sample ID	Time	Date	Matrix	# of Containers					
S-4 101	0900	6/10/21	S	1					
S-5 11	0907								
S-5 31	0908								
S-5 51	0909								
S-5 101	0930								
S-6 11	0957								
S-6 31	0958								
S-6 51	0959								
S-6 101	1000								
S-7 11	1007								
S-7 31	1008								
S-7 51	1009								
S-7 101	1030								
S-8 11	1040								
S-8 31	1043								
TOTAL 15									
RELINQUISHED BY (Signature)		DATE/TIME		RECEIVED BY (Signature)		DATE/TIME		TURN AROUND TIME	
RELINQUISHED BY (Signature)		DATE/TIME		RECEIVED BY (Signature)		DATE/TIME		NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐	
RELINQUISHED BY (Signature)		DATE/TIME		RECEIVED BY (Signature)		DATE/TIME		LABORATORY USE ONLY: RECEIVING TEMP <u>3.3/3.8</u> THERM# <u>128</u> CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED ☐ CARRIER BILL # <u> </u> ☒ HAND DELIVERED	
LABORATORY <u>SEND</u>									

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

2932 N^o 1576

CHAIN-OF-CUSTODY

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-2932-1

SDG Number: 21-0100-08

Login Number: 2932**List Number: 1****Creator: Teel, Brianna****List Source: Eurofins Xenco, Midland**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-8748-1
Client Project/Site: Skeen 2 26 27

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

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
12/9/2021 6:38:02 PM

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

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Laboratory Job ID: 880-8748-1

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

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, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

Eurofins Xenco, Midland

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Job ID: 880-8748-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-8748-1****Receipt**

The samples were received on 11/30/2021 9:53 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 -2.7°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-13,5' (880-8748-3), (LCS 880-13834/2-A) and (LCSD 880-13834/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Client Sample ID: S-13,1'

Lab Sample ID: 880-8748-1

Date Collected: 11/29/21 11:32

Matrix: Solid

Date Received: 11/30/21 09:53

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/03/21 05:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/03/21 05:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/03/21 05:05	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/01/21 10:18	12/03/21 05:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/03/21 05:05	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/01/21 10:18	12/03/21 05:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/01/21 10:18	12/03/21 05:05	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/01/21 10:18	12/03/21 05:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			12/07/21 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			12/06/21 15:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/03/21 08:34	12/03/21 11:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/03/21 08:34	12/03/21 11:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/03/21 08:34	12/03/21 11:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	12/03/21 08:34	12/03/21 11:41	1
o-Terphenyl (Surr)	100		70 - 130	12/03/21 08:34	12/03/21 11:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		5.02	mg/Kg			12/08/21 18:23	1

Client Sample ID: S-13,3'

Lab Sample ID: 880-8748-2

Date Collected: 11/29/21 11:33

Matrix: Solid

Date Received: 11/30/21 09:53

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/01/21 10:18	12/03/21 05:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/01/21 10:18	12/03/21 05:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/01/21 10:18	12/03/21 05:26	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/01/21 10:18	12/03/21 05:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/01/21 10:18	12/03/21 05:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/01/21 10:18	12/03/21 05:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	12/01/21 10:18	12/03/21 05:26	1
1,4-Difluorobenzene (Surr)	76		70 - 130	12/01/21 10:18	12/03/21 05:26	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Client Sample ID: S-13,3'

Lab Sample ID: 880-8748-2

Date Collected: 11/29/21 11:33

Matrix: Solid

Date Received: 11/30/21 09:53

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/07/21 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/06/21 15:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/03/21 08:34	12/03/21 12:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/03/21 08:34	12/03/21 12:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/03/21 08:34	12/03/21 12:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			12/03/21 08:34	12/03/21 12:45	1
o-Terphenyl (Surr)	106		70 - 130			12/03/21 08:34	12/03/21 12:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.3		4.97	mg/Kg			12/08/21 18:35	1

Client Sample ID: S-13,5'

Lab Sample ID: 880-8748-3

Date Collected: 11/29/21 11:34

Matrix: Solid

Date Received: 11/30/21 09:53

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/01/21 10:18	12/03/21 05:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/01/21 10:18	12/03/21 05:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/01/21 10:18	12/03/21 05:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/01/21 10:18	12/03/21 05:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/01/21 10:18	12/03/21 05:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/01/21 10:18	12/03/21 05:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			12/01/21 10:18	12/03/21 05:46	1
1,4-Difluorobenzene (Surr)	88		70 - 130			12/01/21 10:18	12/03/21 05:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/07/21 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			12/06/21 15:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/03/21 08:34	12/03/21 13:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/03/21 08:34	12/03/21 13:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Client Sample ID: S-13,5'

Lab Sample ID: 880-8748-3

Date Collected: 11/29/21 11:34

Matrix: Solid

Date Received: 11/30/21 09:53

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/03/21 08:34	12/03/21 13:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			12/03/21 08:34	12/03/21 13:07	1
o-Terphenyl (Surr)	0	S1-	70 - 130			12/03/21 08:34	12/03/21 13:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.99		4.95	mg/Kg			12/08/21 18:47	1

Client Sample ID: S-13,9'

Lab Sample ID: 880-8748-4

Date Collected: 11/29/21 11:35

Matrix: Solid

Date Received: 11/30/21 09:53

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/03/21 06:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/03/21 06:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/03/21 06:07	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/01/21 10:18	12/03/21 06:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/03/21 06:07	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/01/21 10:18	12/03/21 06:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			12/01/21 10:18	12/03/21 06:07	1
1,4-Difluorobenzene (Surr)	93		70 - 130			12/01/21 10:18	12/03/21 06:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/07/21 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/06/21 15:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 13:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 13:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 13:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/03/21 08:34	12/03/21 13:28	1
o-Terphenyl (Surr)	99		70 - 130			12/03/21 08:34	12/03/21 13:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.65		4.99	mg/Kg			12/09/21 14:27	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Client Sample ID: S-14,1'

Lab Sample ID: 880-8748-5

Date Collected: 11/29/21 12:02

Matrix: Solid

Date Received: 11/30/21 09:53

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		12/01/21 10:18	12/03/21 06:27	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/01/21 10:18	12/03/21 06:27	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		12/01/21 10:18	12/03/21 06:27	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		12/01/21 10:18	12/03/21 06:27	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/01/21 10:18	12/03/21 06:27	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		12/01/21 10:18	12/03/21 06:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/01/21 10:18	12/03/21 06:27	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/01/21 10:18	12/03/21 06:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			12/07/21 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/06/21 15:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 13:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 13:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130	12/03/21 08:34	12/03/21 13:50	1
o-Terphenyl (Surr)	110		70 - 130	12/03/21 08:34	12/03/21 13:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.0		5.00	mg/Kg			12/08/21 19:11	1

Client Sample ID: S-14,3'

Lab Sample ID: 880-8748-6

Date Collected: 11/29/21 12:03

Matrix: Solid

Date Received: 11/30/21 09:53

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/03/21 06:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/03/21 06:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/03/21 06:47	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/01/21 10:18	12/03/21 06:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/03/21 06:47	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/01/21 10:18	12/03/21 06:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/01/21 10:18	12/03/21 06:47	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/01/21 10:18	12/03/21 06:47	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Client Sample ID: S-14,3'

Lab Sample ID: 880-8748-6

Date Collected: 11/29/21 12:03

Matrix: Solid

Date Received: 11/30/21 09:53

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/07/21 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/06/21 15:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/03/21 08:34	12/03/21 18:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/03/21 08:34	12/03/21 18:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/03/21 08:34	12/03/21 18:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			12/03/21 08:34	12/03/21 18:52	1
o-Terphenyl (Surr)	130		70 - 130			12/03/21 08:34	12/03/21 18:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.1		4.96	mg/Kg			12/08/21 19:23	1

Client Sample ID: S-14,5'

Lab Sample ID: 880-8748-7

Date Collected: 11/29/21 12:04

Matrix: Solid

Date Received: 11/30/21 09:53

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/01/21 10:18	12/03/21 07:08	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/01/21 10:18	12/03/21 07:08	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/01/21 10:18	12/03/21 07:08	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/01/21 10:18	12/03/21 07:08	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/01/21 10:18	12/03/21 07:08	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/01/21 10:18	12/03/21 07:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			12/01/21 10:18	12/03/21 07:08	1
1,4-Difluorobenzene (Surr)	97		70 - 130			12/01/21 10:18	12/03/21 07:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			12/07/21 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/06/21 15:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 19:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 19:14	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Client Sample ID: S-14,5'

Lab Sample ID: 880-8748-7

Date Collected: 11/29/21 12:04

Matrix: Solid

Date Received: 11/30/21 09:53

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 19:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			12/03/21 08:34	12/03/21 19:14	1
o-Terphenyl (Surr)	110		70 - 130			12/03/21 08:34	12/03/21 19:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.4		5.04	mg/Kg			12/08/21 19:58	1

Client Sample ID: S-14,9'

Lab Sample ID: 880-8748-8

Date Collected: 11/29/21 12:05

Matrix: Solid

Date Received: 11/30/21 09:53

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/01/21 10:18	12/03/21 07:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/01/21 10:18	12/03/21 07:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/01/21 10:18	12/03/21 07:28	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/01/21 10:18	12/03/21 07:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/01/21 10:18	12/03/21 07:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/01/21 10:18	12/03/21 07:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130			12/01/21 10:18	12/03/21 07:28	1
1,4-Difluorobenzene (Surr)	104		70 - 130			12/01/21 10:18	12/03/21 07:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/07/21 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/06/21 15:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 19:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 19:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130			12/03/21 08:34	12/03/21 19:35	1
o-Terphenyl (Surr)	113		70 - 130			12/03/21 08:34	12/03/21 19:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		4.98	mg/Kg			12/09/21 14:38	1

Eurofins Xenco, Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-8748-1	S-13,1'	121	101				
880-8748-2	S-13,3'	80	76				
880-8748-3	S-13,5'	113	88				
880-8748-4	S-13,9'	117	93				
880-8748-5	S-14,1'	122	99				
880-8748-6	S-14,3'	124	100				
880-8748-7	S-14,5'	121	97				
880-8748-8	S-14,9'	129	104				
890-1653-A-1-B MSD	Matrix Spike Duplicate	119	102				
890-1653-A-1-D MS	Matrix Spike	149 S1+	81				
LCS 880-13446/1-A	Lab Control Sample	112	99				
LCSD 880-13446/2-A	Lab Control Sample Dup	111	96				
MB 880-13446/5-A	Method Blank	122	99				
MB 880-13455/5-A	Method Blank	123	99				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-8748-1	S-13,1'	89	100				
880-8748-1 MS	S-13,1'	96	98				
880-8748-1 MSD	S-13,1'	97	97				
880-8748-2	S-13,3'	94	106				
880-8748-3	S-13,5'	92	0 S1-				
880-8748-4	S-13,9'	89	99				
880-8748-5	S-14,1'	95	110				
880-8748-6	S-14,3'	110	130				
880-8748-7	S-14,5'	95	110				
880-8748-8	S-14,9'	96	113				
LCS 880-13834/2-A	Lab Control Sample	89	0 S1-				
LCSD 880-13834/3-A	Lab Control Sample Dup	91	0 S1-				
MB 880-13834/1-A	Method Blank	89	0 S1-				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-13446/5-A

Matrix: Solid

Analysis Batch: 13722

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13446

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/02/21 23:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/02/21 23:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/02/21 23:02	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/01/21 10:18	12/02/21 23:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/01/21 10:18	12/02/21 23:02	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/01/21 10:18	12/02/21 23:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/01/21 10:18	12/02/21 23:02	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/01/21 10:18	12/02/21 23:02	1

Lab Sample ID: LCS 880-13446/1-A

Matrix: Solid

Analysis Batch: 13722

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13446

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09337		mg/Kg		93	70 - 130
Toluene	0.100	0.09366		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09097		mg/Kg		91	70 - 130
m,p-Xylenes	0.200	0.1803		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09086		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-13446/2-A

Matrix: Solid

Analysis Batch: 13722

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13446

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08752		mg/Kg		88	70 - 130	6	35
Toluene	0.100	0.09320		mg/Kg		93	70 - 130	0	35
Ethylbenzene	0.100	0.09679		mg/Kg		97	70 - 130	6	35
m,p-Xylenes	0.200	0.1908		mg/Kg		95	70 - 130	6	35
o-Xylene	0.100	0.09434		mg/Kg		94	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-1653-A-1-B MSD

Matrix: Solid

Analysis Batch: 13722

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13446

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.07355		mg/Kg		73	70 - 130	16	35
Toluene	<0.00199	U	0.100	0.07570		mg/Kg		76	70 - 130	4	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

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

Lab Sample ID: 890-1653-A-1-B MSD

Matrix: Solid

Analysis Batch: 13722

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13446

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	<0.00199	U	0.100	0.07810		mg/Kg		78	70 - 130	4	35
m,p-Xylenes	<0.00398	U F1	0.200	0.09868	F1	mg/Kg		48	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.07790		mg/Kg		76	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-1653-A-1-D MS

Matrix: Solid

Analysis Batch: 13722

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13446

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.100	0.08598		mg/Kg		85	70 - 130
Toluene	<0.00199	U	0.100	0.07857		mg/Kg		78	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.08168		mg/Kg		81	70 - 130
m,p-Xylenes	<0.00398	U F1	0.201	0.1022	F1	mg/Kg		50	70 - 130
o-Xylene	<0.00199	U	0.100	0.08337		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: MB 880-13455/5-A

Matrix: Solid

Analysis Batch: 13722

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13455

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/01/21 11:07	12/02/21 11:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/01/21 11:07	12/02/21 11:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/01/21 11:07	12/02/21 11:28	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/01/21 11:07	12/02/21 11:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/01/21 11:07	12/02/21 11:28	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/01/21 11:07	12/02/21 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/01/21 11:07	12/02/21 11:28	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/01/21 11:07	12/02/21 11:28	1

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

Lab Sample ID: MB 880-13834/1-A

Matrix: Solid

Analysis Batch: 13851

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13834

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		12/03/21 08:34	12/03/21 10:36	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

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

Lab Sample ID: MB 880-13834/1-A

Matrix: Solid

Analysis Batch: 13851

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13834

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 10:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/03/21 08:34	12/03/21 10:36	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/03/21 08:34	12/03/21 10:36	1
o-Terphenyl (Surr)	0	S1-	70 - 130			12/03/21 08:34	12/03/21 10:36	1

Lab Sample ID: LCS 880-13834/2-A

Matrix: Solid

Analysis Batch: 13851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	856.0		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	976.0		mg/Kg		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	89		70 - 130				
o-Terphenyl (Surr)	0	S1-	70 - 130				

Lab Sample ID: LCSD 880-13834/3-A

Matrix: Solid

Analysis Batch: 13851

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	819.3		mg/Kg		82	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	991.3		mg/Kg		99	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	91		70 - 130						
o-Terphenyl (Surr)	0	S1-	70 - 130						

Lab Sample ID: 880-8748-1 MS

Matrix: Solid

Analysis Batch: 13851

Client Sample ID: S-13,1'

Prep Type: Total/NA

Prep Batch: 13834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	1139		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	1187		mg/Kg		119	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	96		70 - 130						
o-Terphenyl (Surr)	98		70 - 130						

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

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

Lab Sample ID: 880-8748-1 MSD

Matrix: Solid

Analysis Batch: 13851

Client Sample ID: S-13,1'

Prep Type: Total/NA

Prep Batch: 13834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	1130		mg/Kg		113	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	1187		mg/Kg		119	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	97		70 - 130								
o-Terphenyl (Surr)	97		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-13651/1-A

Matrix: Solid

Analysis Batch: 14313

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			12/08/21 15:39	1

Lab Sample ID: LCS 880-13651/2-A

Matrix: Solid

Analysis Batch: 14313

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	258.1		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-13651/3-A

Matrix: Solid

Analysis Batch: 14313

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	257.7		mg/Kg		103	90 - 110	0	20

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

GC VOA

Prep Batch: 13446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8748-1	S-13,1'	Total/NA	Solid	5035	
880-8748-2	S-13,3'	Total/NA	Solid	5035	
880-8748-3	S-13,5'	Total/NA	Solid	5035	
880-8748-4	S-13,9'	Total/NA	Solid	5035	
880-8748-5	S-14,1'	Total/NA	Solid	5035	
880-8748-6	S-14,3'	Total/NA	Solid	5035	
880-8748-7	S-14,5'	Total/NA	Solid	5035	
880-8748-8	S-14,9'	Total/NA	Solid	5035	
MB 880-13446/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13446/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13446/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1653-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
890-1653-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	

Prep Batch: 13455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-13455/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 13722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8748-1	S-13,1'	Total/NA	Solid	8021B	13446
880-8748-2	S-13,3'	Total/NA	Solid	8021B	13446
880-8748-3	S-13,5'	Total/NA	Solid	8021B	13446
880-8748-4	S-13,9'	Total/NA	Solid	8021B	13446
880-8748-5	S-14,1'	Total/NA	Solid	8021B	13446
880-8748-6	S-14,3'	Total/NA	Solid	8021B	13446
880-8748-7	S-14,5'	Total/NA	Solid	8021B	13446
880-8748-8	S-14,9'	Total/NA	Solid	8021B	13446
MB 880-13446/5-A	Method Blank	Total/NA	Solid	8021B	13446
MB 880-13455/5-A	Method Blank	Total/NA	Solid	8021B	13455
LCS 880-13446/1-A	Lab Control Sample	Total/NA	Solid	8021B	13446
LCSD 880-13446/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13446
890-1653-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	13446
890-1653-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	13446

Analysis Batch: 14228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8748-1	S-13,1'	Total/NA	Solid	Total BTEX	
880-8748-2	S-13,3'	Total/NA	Solid	Total BTEX	
880-8748-3	S-13,5'	Total/NA	Solid	Total BTEX	
880-8748-4	S-13,9'	Total/NA	Solid	Total BTEX	
880-8748-5	S-14,1'	Total/NA	Solid	Total BTEX	
880-8748-6	S-14,3'	Total/NA	Solid	Total BTEX	
880-8748-7	S-14,5'	Total/NA	Solid	Total BTEX	
880-8748-8	S-14,9'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 13834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8748-1	S-13,1'	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

GC Semi VOA (Continued)

Prep Batch: 13834 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8748-2	S-13,3'	Total/NA	Solid	8015NM Prep	
880-8748-3	S-13,5'	Total/NA	Solid	8015NM Prep	
880-8748-4	S-13,9'	Total/NA	Solid	8015NM Prep	
880-8748-5	S-14,1'	Total/NA	Solid	8015NM Prep	
880-8748-6	S-14,3'	Total/NA	Solid	8015NM Prep	
880-8748-7	S-14,5'	Total/NA	Solid	8015NM Prep	
880-8748-8	S-14,9'	Total/NA	Solid	8015NM Prep	
MB 880-13834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8748-1 MS	S-13,1'	Total/NA	Solid	8015NM Prep	
880-8748-1 MSD	S-13,1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 13851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8748-1	S-13,1'	Total/NA	Solid	8015B NM	13834
880-8748-2	S-13,3'	Total/NA	Solid	8015B NM	13834
880-8748-3	S-13,5'	Total/NA	Solid	8015B NM	13834
880-8748-4	S-13,9'	Total/NA	Solid	8015B NM	13834
880-8748-5	S-14,1'	Total/NA	Solid	8015B NM	13834
880-8748-6	S-14,3'	Total/NA	Solid	8015B NM	13834
880-8748-7	S-14,5'	Total/NA	Solid	8015B NM	13834
880-8748-8	S-14,9'	Total/NA	Solid	8015B NM	13834
MB 880-13834/1-A	Method Blank	Total/NA	Solid	8015B NM	13834
LCS 880-13834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13834
LCSD 880-13834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13834
880-8748-1 MS	S-13,1'	Total/NA	Solid	8015B NM	13834
880-8748-1 MSD	S-13,1'	Total/NA	Solid	8015B NM	13834

Analysis Batch: 14112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8748-1	S-13,1'	Total/NA	Solid	8015 NM	
880-8748-2	S-13,3'	Total/NA	Solid	8015 NM	
880-8748-3	S-13,5'	Total/NA	Solid	8015 NM	
880-8748-4	S-13,9'	Total/NA	Solid	8015 NM	
880-8748-5	S-14,1'	Total/NA	Solid	8015 NM	
880-8748-6	S-14,3'	Total/NA	Solid	8015 NM	
880-8748-7	S-14,5'	Total/NA	Solid	8015 NM	
880-8748-8	S-14,9'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 13651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8748-1	S-13,1'	Soluble	Solid	DI Leach	
880-8748-2	S-13,3'	Soluble	Solid	DI Leach	
880-8748-3	S-13,5'	Soluble	Solid	DI Leach	
880-8748-4	S-13,9'	Soluble	Solid	DI Leach	
880-8748-5	S-14,1'	Soluble	Solid	DI Leach	
880-8748-6	S-14,3'	Soluble	Solid	DI Leach	
880-8748-7	S-14,5'	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

HPLC/IC (Continued)

Leach Batch: 13651 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8748-8	S-14,9'	Soluble	Solid	DI Leach	
MB 880-13651/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-13651/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-13651/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8748-6 MS	S-14,3'	Soluble	Solid	DI Leach	
880-8748-6 MSD	S-14,3'	Soluble	Solid	DI Leach	

Analysis Batch: 14313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8748-1	S-13,1'	Soluble	Solid	300.0	13651
880-8748-2	S-13,3'	Soluble	Solid	300.0	13651
880-8748-3	S-13,5'	Soluble	Solid	300.0	13651
880-8748-4	S-13,9'	Soluble	Solid	300.0	13651
880-8748-5	S-14,1'	Soluble	Solid	300.0	13651
880-8748-6	S-14,3'	Soluble	Solid	300.0	13651
880-8748-7	S-14,5'	Soluble	Solid	300.0	13651
880-8748-8	S-14,9'	Soluble	Solid	300.0	13651
MB 880-13651/1-A	Method Blank	Soluble	Solid	300.0	13651
LCS 880-13651/2-A	Lab Control Sample	Soluble	Solid	300.0	13651
LCSD 880-13651/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	13651
880-8748-6 MS	S-14,3'	Soluble	Solid	300.0	13651
880-8748-6 MSD	S-14,3'	Soluble	Solid	300.0	13651

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Client Sample ID: S-13,1'

Lab Sample ID: 880-8748-1

Date Collected: 11/29/21 11:32

Matrix: Solid

Date Received: 11/30/21 09:53

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	13446	12/01/21 10:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/03/21 05:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14228	12/07/21 16:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14112	12/06/21 15:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13834	12/03/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13851	12/03/21 11:41	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	13651	12/01/21 11:42	CA	XEN MID
Soluble	Analysis	300.0		1			14313	12/08/21 18:23	SC	XEN MID

Client Sample ID: S-13,3'

Lab Sample ID: 880-8748-2

Date Collected: 11/29/21 11:33

Matrix: Solid

Date Received: 11/30/21 09:53

Prep 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	13446	12/01/21 10:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/03/21 05:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14228	12/07/21 16:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14112	12/06/21 15:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13834	12/03/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13851	12/03/21 12:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	13651	12/01/21 11:42	CA	XEN MID
Soluble	Analysis	300.0		1			14313	12/08/21 18:35	SC	XEN MID

Client Sample ID: S-13,5'

Lab Sample ID: 880-8748-3

Date Collected: 11/29/21 11:34

Matrix: Solid

Date Received: 11/30/21 09:53

Prep 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	13446	12/01/21 10:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/03/21 05:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14228	12/07/21 16:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14112	12/06/21 15:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13834	12/03/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13851	12/03/21 13:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13651	12/01/21 11:42	CA	XEN MID
Soluble	Analysis	300.0		1			14313	12/08/21 18:47	SC	XEN MID

Client Sample ID: S-13,9'

Lab Sample ID: 880-8748-4

Date Collected: 11/29/21 11:35

Matrix: Solid

Date Received: 11/30/21 09:53

Prep 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	13446	12/01/21 10:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/03/21 06:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14228	12/07/21 16:34	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Client Sample ID: S-13,9'

Lab Sample ID: 880-8748-4

Date Collected: 11/29/21 11:35

Matrix: Solid

Date Received: 11/30/21 09:53

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			14112	12/06/21 15:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13834	12/03/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13851	12/03/21 13:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13651	12/01/21 11:42	CA	XEN MID
Soluble	Analysis	300.0		1			14313	12/09/21 14:27	SC	XEN MID

Client Sample ID: S-14,1'

Lab Sample ID: 880-8748-5

Date Collected: 11/29/21 12:02

Matrix: Solid

Date Received: 11/30/21 09:53

Prep 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	13446	12/01/21 10:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/03/21 06:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14228	12/07/21 16:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14112	12/06/21 15:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13834	12/03/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13851	12/03/21 13:50	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13651	12/01/21 11:42	CA	XEN MID
Soluble	Analysis	300.0		1			14313	12/08/21 19:11	SC	XEN MID

Client Sample ID: S-14,3'

Lab Sample ID: 880-8748-6

Date Collected: 11/29/21 12:03

Matrix: Solid

Date Received: 11/30/21 09:53

Prep 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	13446	12/01/21 10:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/03/21 06:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14228	12/07/21 16:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14112	12/06/21 15:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13834	12/03/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13851	12/03/21 18:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	13651	12/01/21 11:42	CA	XEN MID
Soluble	Analysis	300.0		1			14313	12/08/21 19:23	SC	XEN MID

Client Sample ID: S-14,5'

Lab Sample ID: 880-8748-7

Date Collected: 11/29/21 12:04

Matrix: Solid

Date Received: 11/30/21 09:53

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	13446	12/01/21 10:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/03/21 07:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14228	12/07/21 16:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14112	12/06/21 15:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13834	12/03/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13851	12/03/21 19:14	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Client Sample ID: S-14,5'

Lab Sample ID: 880-8748-7

Date Collected: 11/29/21 12:04

Matrix: Solid

Date Received: 11/30/21 09:53

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	13651	12/01/21 11:42	CA	XEN MID
Soluble	Analysis	300.0		1			14313	12/08/21 19:58	SC	XEN MID

Client Sample ID: S-14,9'

Lab Sample ID: 880-8748-8

Date Collected: 11/29/21 12:05

Matrix: Solid

Date Received: 11/30/21 09:53

Prep 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	13446	12/01/21 10:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13722	12/03/21 07:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14228	12/07/21 16:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14112	12/06/21 15:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13834	12/03/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13851	12/03/21 19:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13651	12/01/21 11:42	CA	XEN MID
Soluble	Analysis	300.0		1			14313	12/09/21 14:38	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Skeen 2 26 27

Job ID: 880-8748-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-8748-1	S-13,1'	Solid	11/29/21 11:32	11/30/21 09:53
880-8748-2	S-13,3'	Solid	11/29/21 11:33	11/30/21 09:53
880-8748-3	S-13,5'	Solid	11/29/21 11:34	11/30/21 09:53
880-8748-4	S-13,9'	Solid	11/29/21 11:35	11/30/21 09:53
880-8748-5	S-14,1'	Solid	11/29/21 12:02	11/30/21 09:53
880-8748-6	S-14,3'	Solid	11/29/21 12:03	11/30/21 09:53
880-8748-7	S-14,5'	Solid	11/29/21 12:04	11/30/21 09:53
880-8748-8	S-14,9'	Solid	11/29/21 12:05	11/30/21 09:53

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-8748-1

Login Number: 8748

List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Teel, Brianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Appendix E
Photographs

Tracking Number: nAB172785058
Delineation Report and Remediation Plan
Chevron USA, Inv., Skeen 2 26 27 State #003H
Crude Oil and Produced Water Release
January 12, 2021



View of Spill Area, March 19, 2021

Tracking Number: nAB172785058
Delineation Report and Remediation Plan
Chevron USA, Inv., Skeen 2 26 27 State #003H
Crude Oil and Produced Water Release
January 12, 2021



View of Spill Area, March 19, 2021

Tracking Number: nAB172785058
Delineation Report and Remediation Plan
Chevron USA, Inv., Skeen 2 26 27 State #003H
Crude Oil and Produced Water Release
January 12, 2021



View of Spill Area March 19, 2021



View of Spill Area March 19, 2021

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 74584

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 74584
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved. The OCD requires a copy of all correspondence relative to remedial projects be included in all proposal and/or final closure reports. Correspondence required to be included in reports may include, but not necessarily limited to, extension requests, liner inspection notifications, sample event notifications, spill/release/fire notifications, and variance requests. This will allow for notifications and requests to become a documented part of the incident file.	4/18/2022