

Incident ID	nAPP2107435382
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>27</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

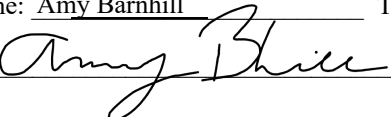
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods,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

State of New Mexico
Oil Conservation Division

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

Printed Name: Amy Barnhill Title: Environmental Advisor

Signature:  Date: 4-20-23

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

OCD Only

Received by: Jocelyn Harimon Date: 04/20/2023

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Remediation Plan

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

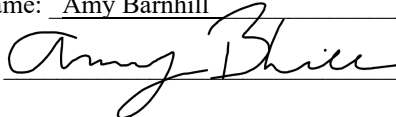
- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note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

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

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

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

Printed Name: Amy Barnhill Title: Environmental Advisor

Signature:  Date: 4-20-23

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

OCD Only

Received by: Jocelyn Harimon Date: 04/20/2023

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

Signature: _____ Date: _____

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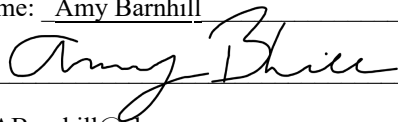
Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Amy Barnhill Title: Environmental Advisor
Signature:  Date: 4-20-23
email: ABarnhill@chevron.com Telephone: 432-687-7723

OCD Only

Received by: Jocelyn Harimon Date: 04/20/2023

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

Closure Approved by:  Date: 07/03/2023
Printed Name: Ashley Maxwell Title: Environmental Specialist

Tracking Numbers: nAPP2107435382
Closure Report
CB CAL 25 36 State COM 08
Brine Water Release
Eddy County, New Mexico

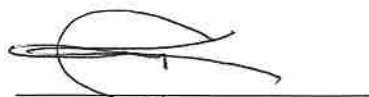
Latitude: N 32.283120°
Longitude: W -104.047330°

LAI Project No. 21-0100-19

April 18, 2023

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

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



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



Robert Nelson
Sr. Geoscientist

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Appendix B	Karst Risk Potential
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Appendix D	NMOCD Communications
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Tracking Numbers: nAPP2107435382
Closure Report
Chevron USA, INC., CB CAL 25 36 State COM 08
Brine Water Release
April 18, 2023

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this closure report on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (NMOCD) District 2 for a brine water release at the CB CAL 25 36 State COM 08 (Site) located in Unit D (NW/4, NW/4), Section 25, Township 23 South, Range 28 East in Eddy County, New Mexico. The geodetic position is North 32.283120° and West - 104.047330°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on March 3, 2021, and resulted from human error with an incorrect connection on lines. Chevron reported that 17.5 barrels (bbls) of brine water was released with no recovery. The initial C-141 was submitted to OCD District 2 on March 15, 2021, and assigned incident number nAPP2107435382. Appendix A presents the initial C-141 and Chevron spill calculation.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 2,993 feet above mean sea level (msl).
- The surface elevation gradually decreases to the northeast.
- There are no surface water features within 1,000 feet of the Site.
- Karst data provided by the USGS describes the Site as “medium risk” potential.
- The soils are designated as Pima silt loam, 0 to 13 percent slopes, consisting of 0 to 3 inches of silt loam, underlain by 3 to 60 inches of silty clay loam.
- The surface geology is Quaternary age (Holocene to upper Pleistocene) alluvium.
- Groundwater was reported at approximately 27 feet below ground surface (bgs) in 1970.
- According to the New Mexico Office of the State Engineer (NMOSE) the nearest freshwater well is located approximately 0.28 miles southeast of the Site in Section 25, Township 23 South, Range 28 East.

Appendix B presents USGS data depicting karst risk potential. Appendix C presents the NMOSE water well information.

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.

Tracking Numbers: nAPP2107435382
 Closure Report
 Chevron USA, INC., CB CAL 25 36 State COM 08
 Brine Water Release
 April 18, 2023

2.0 DELINEATION

The release was fully delineated between July 21 and December 9, 2021. The delineation was reported to the NMOCD in the document titled "Tracking Number: nAPP2107435382, Delineation Report and Remediation Plan, CB CAL 25 36 State COM 08 Brine Water Release, Eddy County, New Mexico, January 20, 2022" and recommended the following remediation:

- Excavate soil from an area encompassing S-11 to a depth of 1 feet bgs.
- Excavate soil from an area encompassing S-1 through S-9 to a depth of 1.5 feet bgs.
- Excavate soil from an area encompassing S-10 to a depth of 4 feet bgs.
- Collect five (5) point composite bottom and sidewall confirmation soil samples every 200 square feet and analyze for BTEX, TPH and chloride.
- Backfill excavation with clean caliche on the pad assuming achievement of OCD remediation levels.
- Prepare report with photographs for submittal to NMOCD District 2.

NMOCD approved the remediation plan on February 8, 2022.

3.0 REMEDIATION

During October 2022, R&M Trucking and Backhoe (R&M), under supervision from LAI personnel, began excavating soil to a maximum depth of approximately four (4) feet bgs from the spill area measuring approximately 3,604 square feet and encompassing sample locations S-1 through S-11. Contaminated soil was stockpiled on a liner adjacent to the excavation, where approximately 265 cubic yards of soil was later hauled to the R360 Halfway disposal facility located between Hobbs and Carlsbad, New Mexico.

On October 5, 7, and 10, 2022, LAI personnel collected twenty (20) bottom (C-1 through C-20) and five (5) sidewall (SW-1 through SW-5) confirmation soil samples from within the excavation. The soil samples were delivered under chain of custody and preservation to the Eurofins-Xenco Laboratories (Xenco) in Midland, Texas. The laboratory analyzed the samples for BTEX, TPH, and chloride by EPA SW-846 Methods 8021B, 8015M, and EPA Method 300E, respectively. Benzene and BTEX were reported below the NMOCD remediation standards in all confirmation composite soil samples. TPH and chloride were reported above the NMOCD remediation standards of 100 mg/Kg and 600 mg/Kg, respectively, in the following samples:

Sample ID	Location	Depth (Feet)	TPH Concentration (mg/Kg)	Chloride Concentration (mg/Kg)
C-2	Bottom	1	--	875
C-3	Bottom	1	--	919
C-4	Bottom	1	--	1,070
C-5	Bottom	1	--	689
C-7	Bottom	4.1	1,030	988
C-9	Bottom	1.5	--	612
C-10	Bottom	1.5	--	1,030
C-11	Bottom	1.5	--	969

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 Closure Report
 Chevron USA, INC., CB CAL 25 36 State COM 08
 Brine Water Release
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C-12	Bottom	1.5	--	692
C-14	Bottom	1.5	--	795
SW-1	Sidewall	0 – 1	--	2,200
SW-2	Sidewall	0 – 4.1	--	3,400
SW-3	Sidewall	0 – 4.1	112	2,710
SW-4	Sidewall	0 – 1.5	--	631
SW-5	Sidewall	0 – 1.5	--	1,490

During January and February 2023, R&M excavated an additional 0.5 to 1-foot bgs from the bottom and sidewalls encompassing the above-mentioned sample locations. LAI personnel field tested for chloride concurrent with excavation activities to determine if further excavation would be necessary. Where required, soil was excavated in 1-foot increments if chloride concentrations reported above the NMOCD closure criteria of 600 mg/Kg. An additional seventeen (17) bottom (C-21 through C-37) and three (3) sidewall (SW-6 through SW-8) confirmation samples were collected from within the excavated area due to the expansion of the excavation sidewalls. Laboratory analysis reported one (1) bottom (C-26) and one (1) sidewall (SW-1) remained above the NMOCD closure criteria for chloride of 600 mg/Kg.

During March 2023, Warrior Technologies, LLC (Warrior), under supervision from LAI personnel began to hydrovac excavate soil encompassing SW-4, SW-5, and C-9, where underground utility lines prevented mechanical excavation. Hydrovac media (i.e., soil rock, water) was contained in vac boxes prior to being hauled to R360 Halfway disposal facility. Mechanical excavation was conducted on bottom (C-26) and sidewall (SW-1) sample location. Further, three (3) additional bottom (C-38 through C-40) confirmation soil samples were collected from within the excavated area. Approximately 260 cubic yards of additional impacted soil was hauled to disposal. Subsequent laboratory analysis reported benzene, BTEX, TPH, and chloride below the NMOCD remediation standards listed in Table 1 of 19.15.29 NMAC in all confirmation soil samples. Figure 4 presents the soil excavation areas and confirmation sample locations. Table 2 presents the confirmation and backfill analytical data summary. Appendix E presents the laboratory reports.

On March 20, 2023, LAI personnel notified NMOCD of the pending excavation backfilling. On March 23, 2022, R&M backfilled the excavations with clean caliche on the pad. LAI personnel collected two (2) composite samples (BF-1 and BF-2) of clean caliche from a nearby burrow pit. Xenco analyzed the sample for BTEX, TPH, and chloride. Benzene, BTEX, and TPH were below the analytical method reporting limits (RLs) and chloride was less than 600 mg/Kg. Appendix D presents the NMOCD notification. Appendix F presents the photographic documentation.

4.0 CLOSURE REQUEST

Chevron requests no further action for nAPP2107435382.

Tables

Table 1
Soil Sample Analytical Data Summary
CB CAL 25 36 State Com 08
Eddy County, New Mexico
North 32° 56' 51.49", West 103° 26' 21.87"

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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	7/21/2021	In-Situ	<0.00198	<0.00396	<50.0	93.1	<50.0	93.1	3,390
	1	12/9/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	653
	3	12/9/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	496
	5	12/9/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	432
	10	12/9/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	193
S-2	0.5	7/21/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	2,160
	1	12/9/2021	In-Situ	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	473
	3	12/9/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	188
	5	12/9/2021	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	34.9
	10	12/9/2021	In-Situ	<0.00201	<0.00401	<50.0	<50.0	<50.0	<50.0	101
S-3	0.5	7/21/2021	In-Situ	<0.00200	<0.00401	<50.0	71.6	<50.0	71.6	3,520
	1	12/9/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	386
	3	12/9/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	152
	5	12/9/2021	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	139
	10	12/9/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	167
S-4	0.5	7/21/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	4,770
	1	12/9/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	516
	3	12/9/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	425
	5	12/9/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	257
	10	12/9/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	242
S-5	0.5	7/21/2021	In-Situ	<0.00200	<0.00400	<49.8	390	112	502	1,590

Table 1
Soil Sample Analytical Data Summary
CB CAL 25 36 State Com 08
Eddy County, New Mexico
North 32° 56' 51.49", West 103° 26' 21.87"

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Remediation Level:				10	50	100				600
	1	12/9/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	643
	3	12/9/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	433
	5	12/9/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	257
	10	12/9/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	241
S-6	0.5	7/21/2021	In-Situ	<0.00198	<0.00397	<49.7	<49.7	<49.7	<49.7	769
	1	12/3/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	188
	3	12/3/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	169
	5	12/3/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	152
	10	12/3/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	308
S-7	0.5	7/21/2021	In-Situ	<0.00201	<0.00402	<49.9	252	<49.9	252	1,360
	1	12/3/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	425
	3	12/3/2021	In-Situ	<0.00200	<0.003399	<49.8	<49.8	<49.8	<49.8	168
	5	12/3/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	114
	10	12/3/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	199
S-8	0.5	7/21/2021	In-Situ	<0.00200	<0.00400	<50.0	136	<50.0	136	1,330
	1	12/9/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	451
	3	12/9/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	561
	5	12/9/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	363
	10	12/9/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	233
S-9	0.5	7/21/2021	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	982
	1	12/3/2021	In-Situ	<0.00200	<0.00400	<49.9	85.3	<49.9	85.3	426

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Soil Sample Analytical Data Summary
CB CAL 25 36 State Com 08
Eddy County, New Mexico
North 32° 56' 51.49", West 103° 26' 21.87"

Page 3 of 5

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Remediation Level:				10	50	100			600	
	3	12/3/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	135
	5	12/3/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	58.2
	10	12/3/2021	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	113
S-10	0.5	7/21/2021	In-Situ	<0.00199	1.60	<995	28,300	<995	28,300	938
	1	12/2/2021	In-Situ	0.00310	1.43	1,040	13,200	<250	14,200	474
	3	12/2/2021	In-Situ	<0.00201	0.0500	<49.9	111	<49.9	111	176
	5	12/2/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	124
	10	12/2/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	148
S-11	0.5	7/21/2021	In-Situ	0.00275	<50.0	<50.0	66.0	<50.0	66.0	2,100
	1	12/2/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	460
	3	12/2/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	197
	5	12/2/2021	In-Situ	<0.00200	<0.00400	<49.9	60.2	<49.9	60.2	266
	10	12/2/2021	In-Situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	296
PB-1	1	12/2/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	194
	3	12/2/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	139
	5	12/2/2021	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	139
	10	12/2/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	234
PB-2	1	12/2/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	265
	3	12/2/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	101
	5	12/2/2021	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	295

Table 1
Soil Sample Analytical Data Summary
CB CAL 25 36 State Com 08
Eddy County, New Mexico
North 32° 56' 51.49", West 103° 26' 21.87"

Page 4 of 5

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				10	50	100				600
	10	12/2/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	263
PB-3	1	12/3/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	164
	3	12/3/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	123
	5	12/3/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	127
	10	12/3/2021	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	166
PB-4	1	12/3/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	315
	3	12/3/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	133
	5	12/3/2021	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	106
	10	12/3/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	278
PB-5	1	12/3/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	239
	3	12/3/2021	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	82.0
	5	12/3/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	184
	10	12/3/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	334
PB-6	1	12/2/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	466
	3	12/2/2021	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	73.4
	5	12/2/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	136
PB-7	1	12/2/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	297
	3	12/2/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	123
	5	12/2/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	145

Table 1
Soil Sample Analytical Data Summary
CB CAL 25 36 State Com 08
Eddy County, New Mexico
North 32° 56' 51.49", West 103° 26' 21.87"

Page 5 of 5

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				10	50	100				600
PB-8	1	12/3/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	132
	3	12/3/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	120
	5	12/3/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	112
	10	12/3/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	159
PB-9	1	12/3/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	232
	3	12/3/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	101
	5	12/3/2021	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	64.4
	10	12/3/2021	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	148

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)

<: denotes concentration less than analytical method reporting limit

Bold and Highlighted exceeds OCD remediation action limits

Table 2

Confirmation Soil Sample Analytical Data Summary
Chevron - CB CAL 25 36 State COM 08
Eddy County, New Mexico
North 32° 13' 38.20", West 103° 44' 38.11"

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:					10	50	100				600
C-1	Bottom	1	10/5/2022	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	440
C-2	Bottom	1	10/5/2022	Excavated	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	875
		2	1/31/2023	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	438
C-3	Bottom	1	10/5/2022	Excavated	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	919
		2	1/30/2023	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	217
C-4	Bottom	1	10/5/2022	Excavated	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	1,070
		2	1/30/2023	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	298
C-5	Bottom	1	10/5/2022	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	689
		2	1/31/2023	In-situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	422
C-6	Bottom	4.1	10/6/2022	In-situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	172
C-7	Bottom	4.1	10/6/2022	Excavated	<0.00199	<0.00398	<50.0	919	108	1,030	988
		5	1/27/2023	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	74.3
C-8	Bottom	1.5	10/7/2022	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	561
C-9	Bottom	1.5	10/7/2022	Excavated	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	612
		2	3/3/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	620
		2.5	3/8/2023	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	214
C-10	Bottom	1.5	10/7/2022	Excavated	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	1,030
		2	2/8/2023	In-situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	508
C-11	Bottom	1.5	10/7/2022	Excavated	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	969
		2	2/8/2023	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	370
C-12	Bottom	1.5	10/7/2022	Excavated	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	692
		2	2/9/2023	In-situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	481
C-13	Bottom	1.5	10/7/2022	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	460
C-14	Bottom	1.5	10/7/2022	Excavated	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	795
		2	2/9/2023	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	446
C-15	Bottom	1.5	10/10/2022	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	503
C-16	Bottom	1.5	10/10/2022	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	477
C-17	Bottom	1.5	10/10/2022	In-situ	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	431
C-18	Bottom	1.5	10/10/2022	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	130
C-19	Bottom	1.5	10/10/2022	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	34.7

Table 2

Confirmation Soil Sample Analytical Data Summary
Chevron - CB CAL 25 36 State COM 08
Eddy County, New Mexico
North 32° 13' 38.20", West 103° 44' 38.11"

C-20	Bottom	1.5	10/10/2022	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	282
C-21	Bottom	1	1/27/2023	In-situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	104
C-22	Bottom	4	1/27/2023	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	106
C-23	Bottom	2	2/9/2023	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	152
C-24	Bottom	4	1/31/2023	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	101
C-25	Bottom	1	2/1/2023	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	289
C-26	Bottom	2	2/1/2023	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	620
		3	3/3/2023	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	396
C-27	Bottom	4	2/1/2023	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	194
C-28	Bottom	4	2/1/2023	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	426
C-29	Bottom	1	2/3/2023	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	144
C-30	Bottom	1	2/3/2023	In-situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	222
C-31	Bottom	1	2/3/2023	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	152
C-32	Bottom	1	2/3/2023	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	160
C-33	Bottom	1	2/6/2023	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	367
C-34	Bottom	1	2/6/2023	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	166
C-35	Bottom	1	2/6/2023	In-situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	166
C-36	Bottom	1	2/6/2023	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	308
C-37	Bottom	1	2/6/2023	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	161
C-38	Bottom	1.5	3/8/2023	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	272
C-39	Bottom	1.5	3/8/2023	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	205
C-40	Bottom	1.5	3/8/2023	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	289
SW-1	Sidewall	0 - 1	10/5/2022	Excavated	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	2,200
			2/2/2023	Excavated	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	655
			3/8/2023	In-situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	140
SW-2	Sidewall	0 - 4.1	10/6/2022	Excavated	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	3,400
			2/3/2023	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	435
SW-3	Sidewall	0 - 4.1	10/6/2022	Excavated	<0.00202	<0.00403	<49.8	112	<49.8	112	2,710
			1/26/2023	Excavated	<0.00200	<0.00401	<50.0	53.1	<50.0	53.1	710
			2/7/2023	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	555
SW-4	Sidewall	0 - 1.5	10/7/2022	Excavated	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	631
			3/8/2023	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	494
SW-5	Sidewall	0 - 1.5	10/10/2022	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	1,490
			3/8/2023	In-situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	284
SW-6	Sidewall	0 - 4.1	1/30/2023	In-situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	569
SW-7	Sidewall	0 - 1	2/6/2023	In-situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	514

Table 2
Confirmation Soil Sample Analytical Data Summary
Chevron - CB CAL 25 36 State COM 08
Eddy County, New Mexico
North 32° 13' 38.20", West 103° 44' 38.11"

SW-8	Sidewall	0 - 1	2/8/2023	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	525
Backfill-1	--	--	3/2/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	489
Backfill-2	--	--	3/2/2023	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	51.0

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

Depth in feet below ground surface (bgs)

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

Bold and Highlighted Denotes Concentrations Above OCD Closure Criteria

Figures

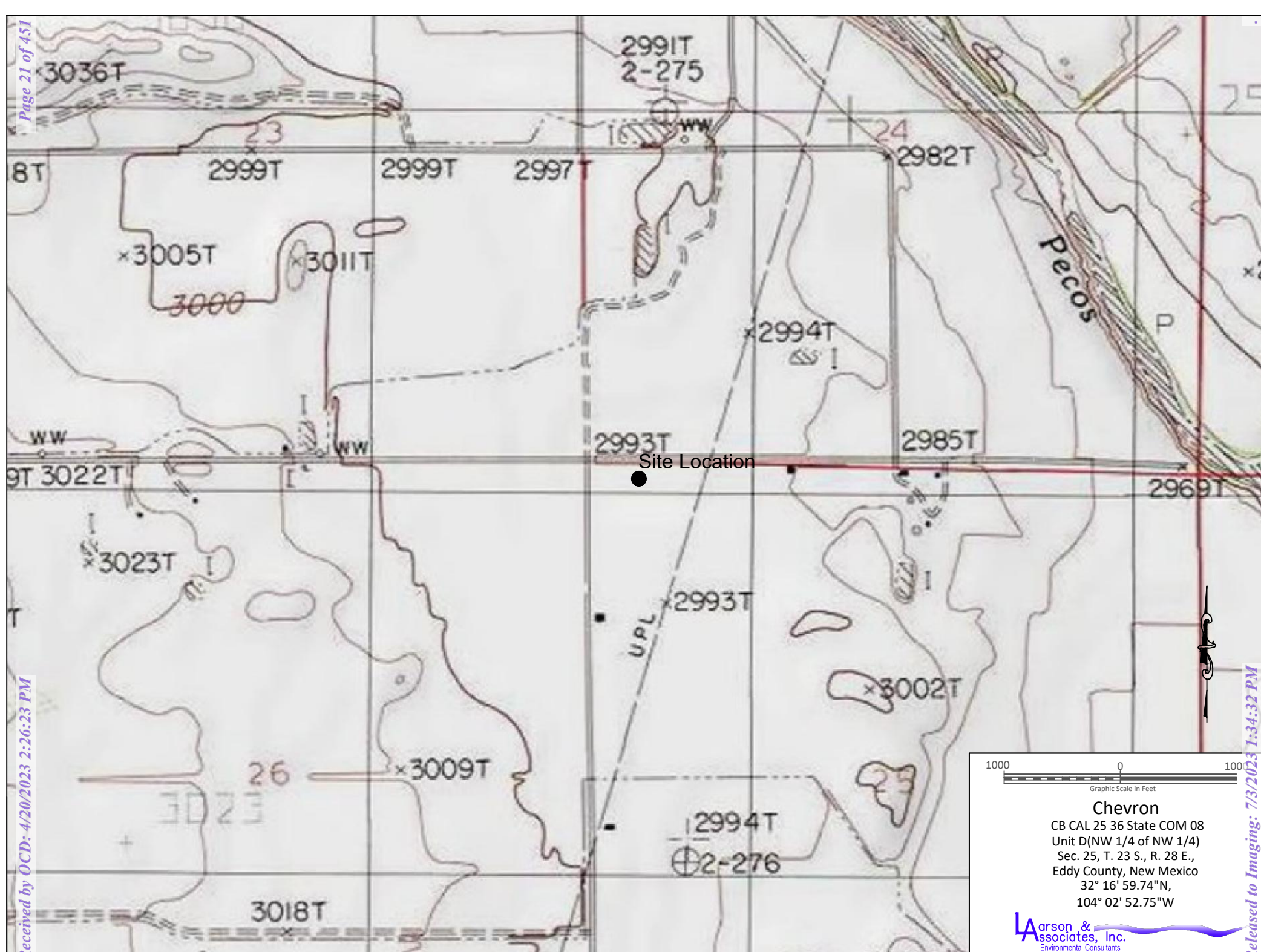
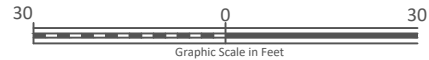


Figure 1 - Topographic Map

Legend

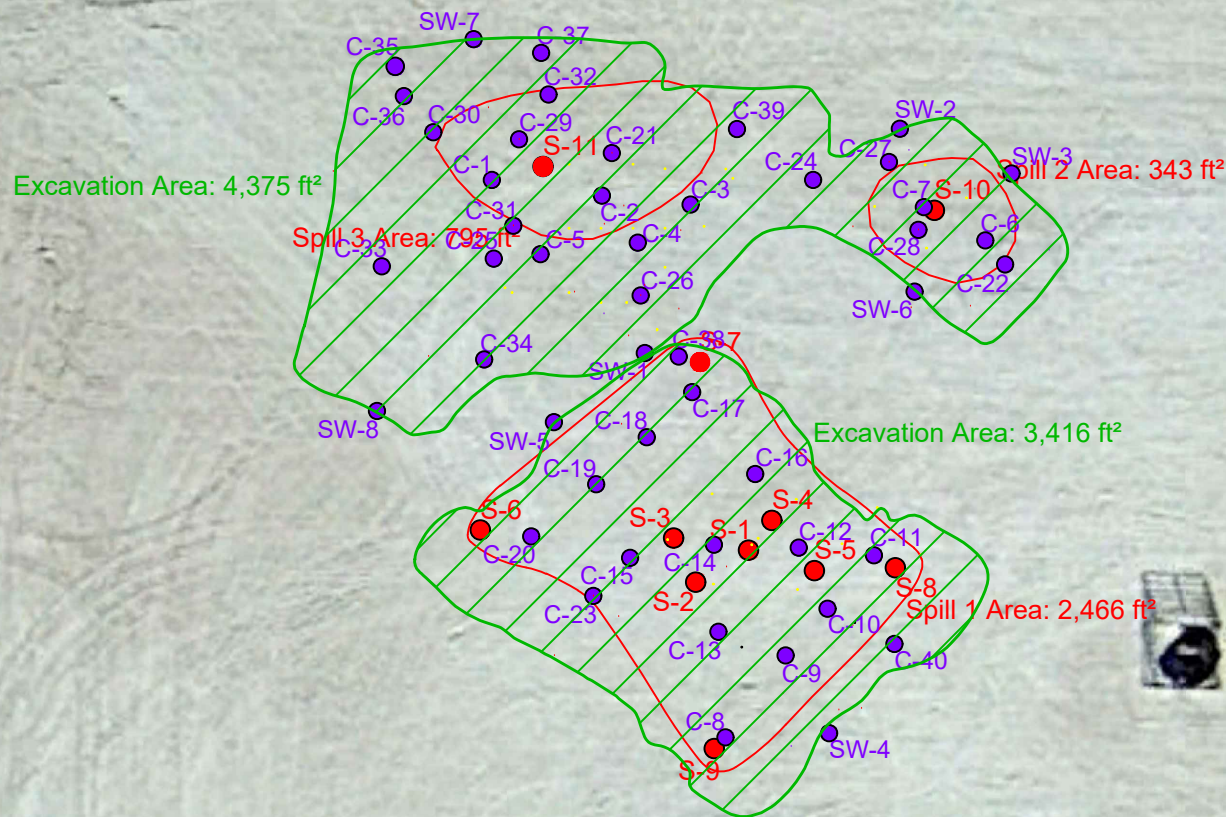
- - Soil Sample Location
- - Spill Area
- - Proposed Boring Hole Location



Chevron
CB CAL 25 36 State COM 08
Unit D(NW 1/4 of NW 1/4)
Sec. 25, T. 23 S., R. 28 E.,
Eddy County, New Mexico
32° 16' 59.74"N,
104° 02' 52.75"W

Larson & Associates, Inc.
Environmental Consultants

Figure 2 - Aerial Map



Legend

- - Soil Sample Location
- - Spill Area
- - Confirmation Sample Location
- ▨ - Excavation Area

30 0 30
Graphic Scale in Feet

Chevron
CB CAL 25 36 State COM 08
Unit D(NW 1/4 of NW 1/4)
Sec. 25, T. 23 S., R. 28 E.,
Eddy County, New Mexico
32° 16' 59.74"N,
104° 02' 52.75"W

Larson & Associates, Inc.
Environmental Consultants

Figure 3 - Aerial Map Showing Excavation Locations

Appendix A

Initial C-141 and Chevron Spill Calculations

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2107435382
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.28312 _____ Longitude -104.04733 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: CB CAL 25 36 STATE COM 08	Site Type: Oil
Date Release Discovered: 3-3-21	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	25	23S	28E	Eddy

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

Nature and Volume of Release

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

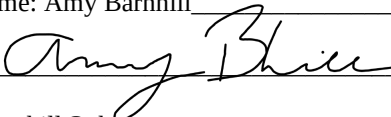
☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☒ Other (describe)	Volume/Weight Released (provide units) 17.5 bbls 7500 ppm non-fresh water	Volume/Weight Recovered (provide units) 0 bbls

Cause of Release: We were filling pump down side to hydro test and we connected the recirculation line to the manifold and not the supply line as soon as we realized we shut the pumps down.

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

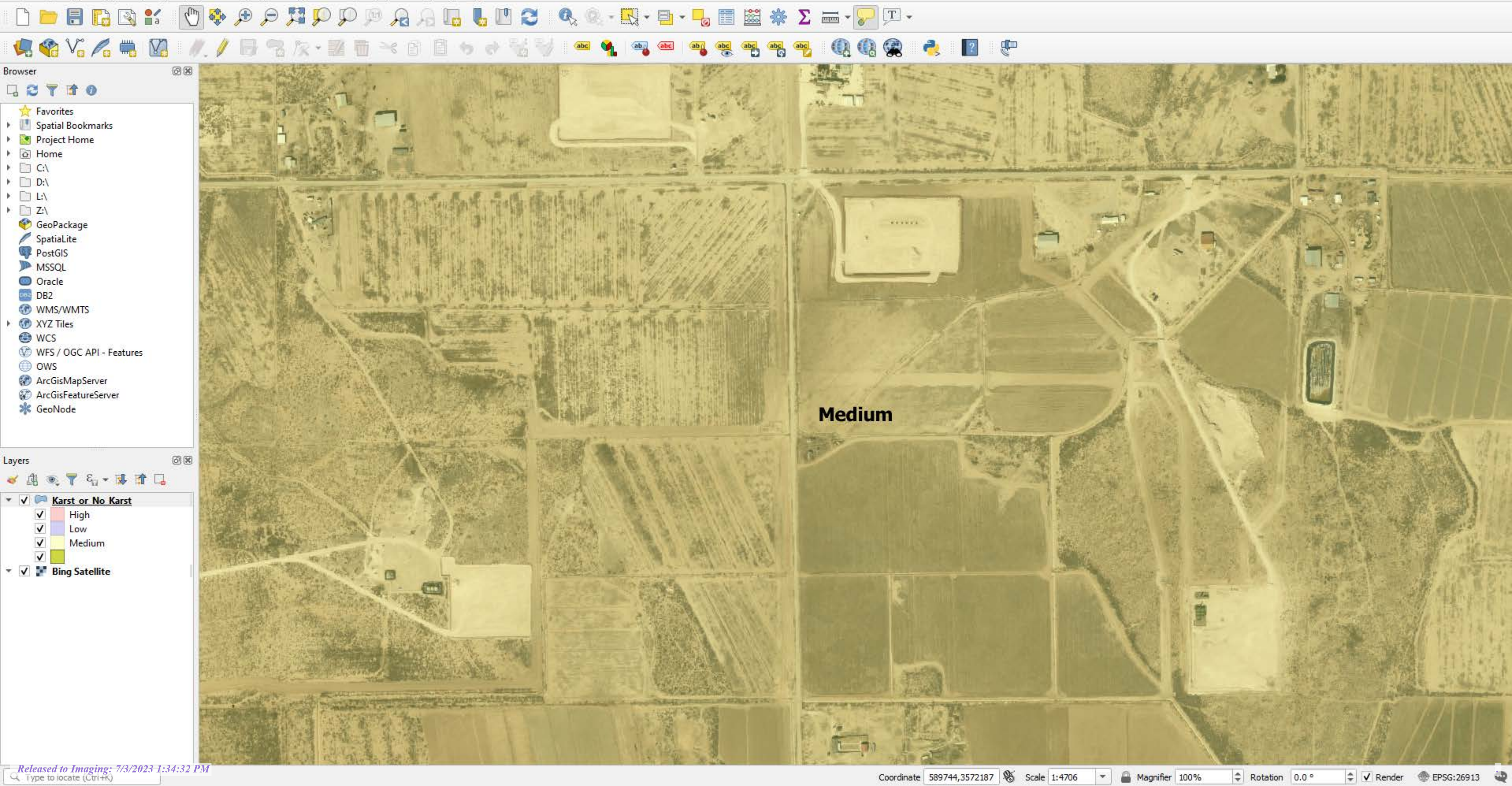
Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Amy Barnhill _____ Signature:  _____ email: ABarnhill@chevron.com _____	Title: Water Specialist _____ Date: 3-15-21 Telephone: 432-687-7108
<u>OCD Only</u> Received by: _____ Date: _____	

Appendix B

Karst Risk Potential



Browser

★ Favorites

▶ Spatial Bookmarks

▶ Project Home

▶ Home

▶ C:\

▶ D:\

▶ L:\

▶ Z:\

▶ GeoPackage

▶ Spatialite

▶ PostGIS

▶ MSSQL

▶ Oracle

▶ DB2

▶ WMS/WMTS

▶ XYZ Tiles

▶ WCS

▶ WFS / OGC API - Features

▶ OWS

▶ ArcGISMapServer

▶ ArcGISFeatureServer

▶ GeoNode

Layers

✓ **Karst or No Karst**

✓ High

✓ Low

✓ Medium

✓ Medium

✓ **Bing Satellite**

Appendix C
NMOSE Well Information

SANTA FE

Form WR-23

STATE ENGINEER OFFICE

WELL RECORD

463213

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(A) Owner of well S.F. Williams
Street and Number _____
City Loving State New Mexico
Well was drilled under Permit No. C-1443 and is located in the
1/4 NE 1/4 NW 1/4 of Section 25 Twp. 23 Rge. 28
(B) Drilling Contractor Emmett Barron License No. 30
Street and Number 307 South Tenth St.
City Carlsbad State New Mexico
Drilling was commenced Oct. 27 19 70
Drilling was completed Nov. 8 19 70
(Plat of 640 acres)
Elevation at top of casing in feet above sea level _____ Total depth of well 50
State whether well is shallow or artesian shallow Depth to water upon completion 27

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	35	40	5	Quick sand gravel
2				
3				
4				
5				

1971 FEB -1 AM 11:12
STATE ENGINEER OFFICE
SANTA FE, N.M.

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
8 5/8	26	none	0	50	50	none	35	50

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
Street and Number _____ City _____ State _____
Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
Plugging method used _____ Date Plugged 19 _____
Plugging approved by: _____ Cement Plugs were placed as follows:

Basin Supervisor _____
FOR USE OF STATE ENGINEER ONLY
Date Received 7-16-74 2:10 PM 0161 ✓
File No. C-1443 Use SHK Location No. 23-28-25-2113

No.	Depth of Plug		No. of Sacks Used
	From	To	

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Well Driller	Red	Red Bed - Bottom
40	50	10
35	40	5
20	35	15
8	20	12
2	8	6
0	2	2

Appendix D
NMOCD Communications

Robert Nelson

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Monday, March 20, 2023 11:36 AM
To: Robert Nelson
Cc: Bratcher, Michael, EMNRD; Harimon, Jocelyn, EMNRD
Subject: RE: [EXTERNAL] CB CAL 25 36 State COM 08 (nAPP2107435382) Excavation Backfill Notice

Hello Robert

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Robert Nelson <rnelson@laenvironmental.com>
Sent: Monday, March 20, 2023 10:30 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Cc: Barnhill, Amy D. <ABarnhill@chevron.com>
Subject: [EXTERNAL] CB CAL 25 36 State COM 08 (nAPP2107435382) Excavation Backfill Notice

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello Mr. Hamlet and Ms. Nobui,

Larson & Associates, Inc. (LAI), on behalf of Chevron USA, submits the attached confirmation (post remediation) laboratory analytical data and sample location maps to the New Mexico Oil Conservation Division (OCD) District II to provide two (2) business days notification prior to backfilling the excavation at the CB CAL 25 36 State COM 08 (nAPP2107435382) in Eddy County, New Mexico. Please feel free to contact Amy Barnhill with Chevron at (432) 687-7108 or ABarnhill@chevron.com or me with any questions or concerns.

Thank you,

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



Appendix E
Laboratory Reports



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-4473-1

Client Project/Site: CB CAL 25 36 State Com 08

For:

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

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
8/11/2021 11:47:37 AM

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: CB CAL 25 36 State Com 08

Laboratory Job ID: 880-4473-1

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

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
H	Sample was prepped or analyzed beyond the specified holding time
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Eurofins Xenco, Midland

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Job ID: 880-4473-1

Laboratory: Eurofins Xenco, Midland

Narrative	
	Job Narrative 880-4473-1

Receipt

The samples were received on 7/29/2021 10:36 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 0.9°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

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

HPLC/IC

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

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Client Sample ID: S-1

Lab Sample ID: 880-4473-1

Date Collected: 07/21/21 12:00

Matrix: Solid

Date Received: 07/29/21 10:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/29/21 11:04	07/30/21 02:20	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/29/21 11:04	07/30/21 02:20	1
Ethylbenzene	<0.00198	U F1	0.00198	mg/Kg		07/29/21 11:04	07/30/21 02:20	1
m,p-Xylenes	<0.00396	U F1	0.00396	mg/Kg		07/29/21 11:04	07/30/21 02:20	1
o-Xylene	<0.00198	U F1	0.00198	mg/Kg		07/29/21 11:04	07/30/21 02:20	1
Xylenes, Total	<0.00396	U F1	0.00396	mg/Kg		07/29/21 11:04	07/30/21 02:20	1
Total BTEX	<0.00396	U F1	0.00396	mg/Kg		07/29/21 11:04	07/30/21 02:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/29/21 11:04	07/30/21 02:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/29/21 11:04	07/30/21 02:20	1

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		07/30/21 09:57	08/01/21 23:41	1
Diesel Range Organics (Over C10-C28)	93.1		50.0	mg/Kg		07/30/21 09:57	08/01/21 23:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/01/21 23:41	1
Total TPH	93.1		50.0	mg/Kg		07/30/21 09:57	08/01/21 23:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	07/30/21 09:57	08/01/21 23:41	1
o-Terphenyl (Surr)	108		70 - 130	07/30/21 09:57	08/01/21 23:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3390		25.0	mg/Kg			08/04/21 21:42	5

Client Sample ID: S-2

Lab Sample ID: 880-4473-2

Date Collected: 07/21/21 12:02

Matrix: Solid

Date Received: 07/29/21 10:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/29/21 11:04	07/30/21 02:40	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/29/21 11:04	07/30/21 02:40	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/29/21 11:04	07/30/21 02:40	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/29/21 11:04	07/30/21 02:40	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/29/21 11:04	07/30/21 02:40	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/29/21 11:04	07/30/21 02:40	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		07/29/21 11:04	07/30/21 02:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/29/21 11:04	07/30/21 02:40	1
1,4-Difluorobenzene (Surr)	108		70 - 130	07/29/21 11:04	07/30/21 02:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/30/21 09:57	08/02/21 00:44	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Client Sample ID: S-2

Lab Sample ID: 880-4473-2

Date Collected: 07/21/21 12:02

Matrix: Solid

Date Received: 07/29/21 10:36

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		07/30/21 09:57	08/02/21 00:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/30/21 09:57	08/02/21 00:44	1
Total TPH	<49.9	U	49.9	mg/Kg		07/30/21 09:57	08/02/21 00:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			07/30/21 09:57	08/02/21 00:44	1
o-Terphenyl (Surr)	135	S1+	70 - 130			07/30/21 09:57	08/02/21 00:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2160		24.8	mg/Kg			08/04/21 21:47	5

Client Sample ID: S-3

Lab Sample ID: 880-4473-3

Date Collected: 07/21/21 12:04

Matrix: Solid

Date Received: 07/29/21 10:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 03:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 03:01	1
Ethylbenzene	0.00273		0.00200	mg/Kg		07/29/21 11:04	07/30/21 03:01	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		07/29/21 11:04	07/30/21 03:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 03:01	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/29/21 11:04	07/30/21 03:01	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		07/29/21 11:04	07/30/21 03:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			07/29/21 11:04	07/30/21 03:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130			07/29/21 11:04	07/30/21 03:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 01:04	1
Diesel Range Organics (Over C10-C28)	71.6		50.0	mg/Kg		07/30/21 09:57	08/02/21 01:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 01:04	1
Total TPH	71.6		50.0	mg/Kg		07/30/21 09:57	08/02/21 01:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			07/30/21 09:57	08/02/21 01:04	1
o-Terphenyl (Surr)	133	S1+	70 - 130			07/30/21 09:57	08/02/21 01:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3520		24.8	mg/Kg			08/04/21 21:53	5

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Client Sample ID: S-4

Lab Sample ID: 880-4473-4

Date Collected: 07/21/21 12:06

Matrix: Solid

Date Received: 07/29/21 10:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/29/21 11:04	07/30/21 06:48	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/29/21 11:04	07/30/21 06:48	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/29/21 11:04	07/30/21 06:48	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		07/29/21 11:04	07/30/21 06:48	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/29/21 11:04	07/30/21 06:48	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/29/21 11:04	07/30/21 06:48	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		07/29/21 11:04	07/30/21 06:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/29/21 11:04	07/30/21 06:48	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/29/21 11:04	07/30/21 06:48	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		07/30/21 09:57	08/02/21 01:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 01:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 01:25	1
Total TPH	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130	07/30/21 09:57	08/02/21 01:25	1
o-Terphenyl (Surr)	115		70 - 130	07/30/21 09:57	08/02/21 01:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4770		50.2	mg/Kg			08/04/21 21:58	10

Client Sample ID: S-5

Lab Sample ID: 880-4473-5

Date Collected: 07/21/21 12:08

Matrix: Solid

Date Received: 07/29/21 10:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 07:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 07:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 07:09	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/29/21 11:04	07/30/21 07:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 07:09	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/29/21 11:04	07/30/21 07:09	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		07/29/21 11:04	07/30/21 07:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/29/21 11:04	07/30/21 07:09	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/29/21 11:04	07/30/21 07:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/30/21 09:57	08/02/21 01:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Client Sample ID: S-5

Lab Sample ID: 880-4473-5

Date Collected: 07/21/21 12:08

Matrix: Solid

Date Received: 07/29/21 10:36

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)	390		49.8	mg/Kg		07/30/21 09:57	08/02/21 01:46	1
Oil Range Organics (Over C28-C36)	112		49.8	mg/Kg		07/30/21 09:57	08/02/21 01:46	1
Total TPH	502		49.8	mg/Kg		07/30/21 09:57	08/02/21 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	07/30/21 09:57	08/02/21 01:46	1
o-Terphenyl (Surr)	109		70 - 130	07/30/21 09:57	08/02/21 01:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1590		25.0	mg/Kg			07/30/21 18:43	5

Client Sample ID: S-6

Lab Sample ID: 880-4473-6

Date Collected: 07/21/21 12:10

Matrix: Solid

Date Received: 07/29/21 10:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/29/21 11:04	07/30/21 07:30	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/29/21 11:04	07/30/21 07:30	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/29/21 11:04	07/30/21 07:30	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		07/29/21 11:04	07/30/21 07:30	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/29/21 11:04	07/30/21 07:30	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		07/29/21 11:04	07/30/21 07:30	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		07/29/21 11:04	07/30/21 07:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	07/29/21 11:04	07/30/21 07:30	1
1,4-Difluorobenzene (Surr)	126		70 - 130	07/29/21 11:04	07/30/21 07:30	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	<49.7	U	49.7	mg/Kg		07/30/21 09:57	08/02/21 02:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/30/21 09:57	08/02/21 02:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/30/21 09:57	08/02/21 02:07	1
Total TPH	<49.7	U	49.7	mg/Kg		07/30/21 09:57	08/02/21 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	07/30/21 09:57	08/02/21 02:07	1
o-Terphenyl (Surr)	114		70 - 130	07/30/21 09:57	08/02/21 02:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	769		5.00	mg/Kg			07/30/21 18:59	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Client Sample ID: S-7

Lab Sample ID: 880-4473-7

Date Collected: 07/21/21 12:12

Matrix: Solid

Date Received: 07/29/21 10:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/29/21 11:04	07/30/21 07:51	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/29/21 11:04	07/30/21 07:51	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/29/21 11:04	07/30/21 07:51	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/29/21 11:04	07/30/21 07:51	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/29/21 11:04	07/30/21 07:51	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/29/21 11:04	07/30/21 07:51	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		07/29/21 11:04	07/30/21 07:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/29/21 11:04	07/30/21 07:51	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/29/21 11:04	07/30/21 07:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/30/21 09:57	08/02/21 02:27	1
Diesel Range Organics (Over C10-C28)	252		49.9	mg/Kg		07/30/21 09:57	08/02/21 02:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/30/21 09:57	08/02/21 02:27	1
Total TPH	252		49.9	mg/Kg		07/30/21 09:57	08/02/21 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	07/30/21 09:57	08/02/21 02:27	1
o-Terphenyl (Surr)	118		70 - 130	07/30/21 09:57	08/02/21 02:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1360		24.9	mg/Kg			07/30/21 19:05	5

Client Sample ID: S-8

Lab Sample ID: 880-4473-8

Date Collected: 07/21/21 12:14

Matrix: Solid

Date Received: 07/29/21 10:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 08:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 08:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 08:11	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/29/21 11:04	07/30/21 08:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 08:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/29/21 11:04	07/30/21 08:11	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		07/29/21 11:04	07/30/21 08:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/29/21 11:04	07/30/21 08:11	1
1,4-Difluorobenzene (Surr)	107		70 - 130	07/29/21 11:04	07/30/21 08:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 02:48	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Client Sample ID: S-8

Lab Sample ID: 880-4473-8

Date Collected: 07/21/21 12:14

Matrix: Solid

Date Received: 07/29/21 10:36

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)	136		50.0	mg/Kg		07/30/21 09:57	08/02/21 02:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 02:48	1
Total TPH	136		50.0	mg/Kg		07/30/21 09:57	08/02/21 02:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			07/30/21 09:57	08/02/21 02:48	1
o-Terphenyl (Surr)	116		70 - 130			07/30/21 09:57	08/02/21 02:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		24.9	mg/Kg			07/30/21 19:10	5

Client Sample ID: S-9

Lab Sample ID: 880-4473-9

Date Collected: 07/21/21 12:16

Matrix: Solid

Date Received: 07/29/21 10:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/29/21 11:04	07/30/21 08:32	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/29/21 11:04	07/30/21 08:32	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/29/21 11:04	07/30/21 08:32	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/29/21 11:04	07/30/21 08:32	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/29/21 11:04	07/30/21 08:32	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/29/21 11:04	07/30/21 08:32	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		07/29/21 11:04	07/30/21 08:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			07/29/21 11:04	07/30/21 08:32	1
1,4-Difluorobenzene (Surr)	106		70 - 130			07/29/21 11:04	07/30/21 08:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 03:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 03:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 03:09	1
Total TPH	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 03:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			07/30/21 09:57	08/02/21 03:09	1
o-Terphenyl (Surr)	119		70 - 130			07/30/21 09:57	08/02/21 03:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	982		25.1	mg/Kg			07/30/21 19:16	5

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Client Sample ID: S-10

Lab Sample ID: 880-4473-10

Date Collected: 07/21/21 12:18

Matrix: Solid

Date Received: 07/29/21 10:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/29/21 11:04	07/30/21 08:52	1
Toluene	0.155		0.00199	mg/Kg		07/29/21 11:04	07/30/21 08:52	1
Ethylbenzene	0.287		0.00199	mg/Kg		07/29/21 11:04	07/30/21 08:52	1
m,p-Xylenes	0.773		0.00398	mg/Kg		07/29/21 11:04	07/30/21 08:52	1
o-Xylene	0.387		0.00199	mg/Kg		07/29/21 11:04	07/30/21 08:52	1
Xylenes, Total	1.16		0.00398	mg/Kg		07/29/21 11:04	07/30/21 08:52	1
Total BTEX	1.60		0.00398	mg/Kg		07/29/21 11:04	07/30/21 08:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	268	S1+	70 - 130	07/29/21 11:04	07/30/21 08:52	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/29/21 11:04	07/30/21 08:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<995	U H	995	mg/Kg		08/10/21 14:43	08/11/21 05:08	20
Diesel Range Organics (Over C10-C28)	28300	H	995	mg/Kg		08/10/21 14:43	08/11/21 05:08	20
Oil Range Organics (Over C28-C36)	<995	U H	995	mg/Kg		08/10/21 14:43	08/11/21 05:08	20
Total TPH	28300	H	995	mg/Kg		08/10/21 14:43	08/11/21 05:08	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	176	S1+	70 - 130	08/10/21 14:43	08/11/21 05:08	20
o-Terphenyl (Surr)	141	S1+	70 - 130	08/10/21 14:43	08/11/21 05:08	20

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	938		5.01	mg/Kg			07/30/21 19:32	1

Client Sample ID: S-11

Lab Sample ID: 880-4473-11

Date Collected: 07/21/21 12:20

Matrix: Solid

Date Received: 07/29/21 10:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00275		0.00200	mg/Kg		07/29/21 11:04	07/30/21 09:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 09:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 09:13	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/29/21 11:04	07/30/21 09:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 09:13	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/29/21 11:04	07/30/21 09:13	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		07/29/21 11:04	07/30/21 09:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/29/21 11:04	07/30/21 09:13	1
1,4-Difluorobenzene (Surr)	109		70 - 130	07/29/21 11:04	07/30/21 09:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 04:12	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Client Sample ID: S-11

Lab Sample ID: 880-4473-11

Date Collected: 07/21/21 12:20

Matrix: Solid

Date Received: 07/29/21 10:36

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)	66.0		50.0	mg/Kg		07/30/21 09:57	08/02/21 04:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/02/21 04:12	1
Total TPH	66.0		50.0	mg/Kg		07/30/21 09:57	08/02/21 04:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	07/30/21 09:57	08/02/21 04:12	1
o-Terphenyl (Surr)	133	S1+	70 - 130	07/30/21 09:57	08/02/21 04:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100		24.9	mg/Kg			07/30/21 19:37	5

Eurofins Xenco, Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-4473-1	S-1	114	99
880-4473-1 MS	S-1	116	97
880-4473-1 MSD	S-1	98	90
880-4473-2	S-2	106	108
880-4473-3	S-3	102	99
880-4473-4	S-4	94	99
880-4473-5	S-5	117	104
880-4473-6	S-6	131 S1+	126
880-4473-7	S-7	113	103
880-4473-8	S-8	117	107
880-4473-9	S-9	117	106
880-4473-10	S-10	268 S1+	86
880-4473-11	S-11	111	109
LCS 880-5798/1-A	Lab Control Sample	101	84
LCSD 880-5798/2-A	Lab Control Sample Dup	103	95
MB 880-5783/5-A	Method Blank	102	95
MB 880-5798/5-A	Method Blank	106	90
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-4473-1	S-1	94	108
880-4473-1 MS	S-1	114	115
880-4473-1 MSD	S-1	109	108
880-4473-2	S-2	113	135 S1+
880-4473-3	S-3	114	133 S1+
880-4473-4	S-4	99	115
880-4473-5	S-5	97	109
880-4473-6	S-6	97	114
880-4473-7	S-7	102	118
880-4473-8	S-8	100	116
880-4473-9	S-9	100	119
880-4473-10	S-10	176 S1+	141 S1+
880-4473-11	S-11	115	133 S1+
890-1075-A-1-E MS	Matrix Spike	91	89
890-1075-A-1-F MSD	Matrix Spike Duplicate	92	89
LCS 880-5863/2-A	Lab Control Sample	120	128
LCS 880-6330/2-A	Lab Control Sample	107	104
LCSD 880-5863/3-A	Lab Control Sample Dup	102	108
LCSD 880-6330/3-A	Lab Control Sample Dup	97	95
MB 880-5863/1-A	Method Blank	95	115
MB 880-6330/1-A	Method Blank	101	105
Surrogate Legend			

Eurofins Xenco, Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08
1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

Job ID: 880-4473-1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-5783/5-A

Matrix: Solid

Analysis Batch: 5785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5783

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/29/21 10:00	07/29/21 14:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/29/21 10:00	07/29/21 14:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/29/21 10:00	07/29/21 14:59	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/29/21 10:00	07/29/21 14:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/29/21 10:00	07/29/21 14:59	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/29/21 10:00	07/29/21 14:59	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		07/29/21 10:00	07/29/21 14:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/29/21 10:00	07/29/21 14:59	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/29/21 10:00	07/29/21 14:59	1

Lab Sample ID: MB 880-5798/5-A

Matrix: Solid

Analysis Batch: 5785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5798

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 01:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 01:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 01:58	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/29/21 11:04	07/30/21 01:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/29/21 11:04	07/30/21 01:58	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/29/21 11:04	07/30/21 01:58	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		07/29/21 11:04	07/30/21 01:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/29/21 11:04	07/30/21 01:58	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/29/21 11:04	07/30/21 01:58	1

Lab Sample ID: LCS 880-5798/1-A

Matrix: Solid

Analysis Batch: 5785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 5798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09319		mg/Kg		93	70 - 130
Toluene	0.100	0.09041		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09717		mg/Kg		97	70 - 130
m,p-Xylenes	0.200	0.1888		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09390		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.

Job ID: 880-4473-1

Project/Site: CB CAL 25 36 State Com 08

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

Lab Sample ID: LCSD 880-5798/2-A

Matrix: Solid

Analysis Batch: 5785

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 5798

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09831		mg/Kg		98	70 - 130	5	35
Toluene	0.100	0.09499		mg/Kg		95	70 - 130	5	35
Ethylbenzene	0.100	0.08895		mg/Kg		89	70 - 130	9	35
m,p-Xylenes	0.200	0.1931		mg/Kg		97	70 - 130	2	35
o-Xylene	0.100	0.09740		mg/Kg		97	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-4473-1 MS

Matrix: Solid

Analysis Batch: 5785

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 5798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.07985		mg/Kg		80	70 - 130		
Toluene	<0.00198	U	0.100	0.07927		mg/Kg		79	70 - 130		
Ethylbenzene	<0.00198	U F1	0.100	0.06412	F1	mg/Kg		64	70 - 130		
m,p-Xylenes	<0.00396	U F1	0.201	0.1275	F1	mg/Kg		63	70 - 130		
o-Xylene	<0.00198	U F1	0.100	0.06246	F1	mg/Kg		62	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-4473-1 MSD

Matrix: Solid

Analysis Batch: 5785

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 5798

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0998	0.08174		mg/Kg		82	70 - 130	2	35
Toluene	<0.00198	U	0.0998	0.07024		mg/Kg		70	70 - 130	12	35
Ethylbenzene	<0.00198	U F1	0.0998	0.05831	F1	mg/Kg		58	70 - 130	9	35
m,p-Xylenes	<0.00396	U F1	0.200	0.1100	F1	mg/Kg		55	70 - 130	15	35
o-Xylene	<0.00198	U F1	0.0998	0.05543	F1	mg/Kg		56	70 - 130	12	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

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

Lab Sample ID: MB 880-5863/1-A

Matrix: Solid

Analysis Batch: 5934

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5863

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/01/21 22:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/01/21 22:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/01/21 22:39	1
Total TPH	<50.0	U	50.0	mg/Kg		07/30/21 09:57	08/01/21 22:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130	07/30/21 09:57	08/01/21 22:39	1
o-Terphenyl (Surr)	115		70 - 130	07/30/21 09:57	08/01/21 22:39	1

Lab Sample ID: LCS 880-5863/2-A

Matrix: Solid

Analysis Batch: 5934

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 5863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	806.1		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1258		mg/Kg		126	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	120		70 - 130
o-Terphenyl (Surr)	128		70 - 130

Lab Sample ID: LCSD 880-5863/3-A

Matrix: Solid

Analysis Batch: 5934

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 5863

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	806.5		mg/Kg		81	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1046		mg/Kg		105	70 - 130	18	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	102		70 - 130
o-Terphenyl (Surr)	108		70 - 130

Lab Sample ID: 880-4473-1 MS

Matrix: Solid

Analysis Batch: 5934

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 5863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	976.7		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	93.1		996	1188		mg/Kg		110	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

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

Lab Sample ID: 880-4473-1 MS

Matrix: Solid

Analysis Batch: 5934

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 5863

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	114		70 - 130
o-Terphenyl (Surr)	115		70 - 130

Lab Sample ID: 880-4473-1 MSD

Matrix: Solid

Analysis Batch: 5934

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 5863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1079		mg/Kg		108	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	93.1		996	1141		mg/Kg		105	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	109		70 - 130
o-Terphenyl (Surr)	108		70 - 130

Lab Sample ID: MB 880-6330/1-A

Matrix: Solid

Analysis Batch: 6276

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6330

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/10/21 14:43	08/10/21 20:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/10/21 14:43	08/10/21 20:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/10/21 14:43	08/10/21 20:20	1
Total TPH	<50.0	U	50.0	mg/Kg		08/10/21 14:43	08/10/21 20:20	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	101		70 - 130	08/10/21 14:43	08/10/21 20:20	1		
o-Terphenyl (Surr)	105		70 - 130	08/10/21 14:43	08/10/21 20:20	1		

Lab Sample ID: LCS 880-6330/2-A

Matrix: Solid

Analysis Batch: 6276

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 6330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1191		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1246		mg/Kg		125	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	107		70 - 130
o-Terphenyl (Surr)	104		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

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

Lab Sample ID: LCSD 880-6330/3-A

Matrix: Solid

Analysis Batch: 6276

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6330

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1043		mg/Kg		104	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	1129		mg/Kg		113	70 - 130	10	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	97		70 - 130						
o-Terphenyl (Surr)	95		70 - 130						

Lab Sample ID: 890-1075-A-1-E MS

Matrix: Solid

Analysis Batch: 6276

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 6330

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	<50.0	U	995	901.5		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	943.8		mg/Kg		95	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	91		70 - 130								
o-Terphenyl (Surr)	89		70 - 130								

Lab Sample ID: 890-1075-A-1-F MSD

Matrix: Solid

Analysis Batch: 6276

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 6330

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	916.1		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	960.6		mg/Kg		96	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	92		70 - 130								
o-Terphenyl (Surr)	89		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5810/1-A

Matrix: Solid

Analysis Batch: 5879

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/30/21 18:27	1

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.

Job ID: 880-4473-1

Project/Site: CB CAL 25 36 State Com 08

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-5810/2-A

Matrix: Solid

Analysis Batch: 5879

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	243.7		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-5810/3-A

Matrix: Solid

Analysis Batch: 5879

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	243.5		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-4473-5 MS

Matrix: Solid

Analysis Batch: 5879

Client Sample ID: S-5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1590		1250	2825		mg/Kg		99	90 - 110

Lab Sample ID: 880-4473-5 MSD

Matrix: Solid

Analysis Batch: 5879

Client Sample ID: S-5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1590		1250	2822		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-5809/1-A

Matrix: Solid

Analysis Batch: 6064

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/04/21 19:14	1

Lab Sample ID: LCS 880-5809/2-A

Matrix: Solid

Analysis Batch: 6064

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	243.1		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-5809/3-A

Matrix: Solid

Analysis Batch: 6064

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	242.9		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-4470-A-1-B MS

Matrix: Solid

Analysis Batch: 6064

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	3920		1260	5240		mg/Kg		105	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-4470-A-1-C MSD					Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 6064												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride	3920		1260	5181		mg/Kg		100	90 - 110	1	20	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

GC VOA

Prep Batch: 5783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-5783/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 5785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-1	S-1	Total/NA	Solid	8021B	5798
880-4473-2	S-2	Total/NA	Solid	8021B	5798
880-4473-3	S-3	Total/NA	Solid	8021B	5798
880-4473-4	S-4	Total/NA	Solid	8021B	5798
880-4473-5	S-5	Total/NA	Solid	8021B	5798
880-4473-6	S-6	Total/NA	Solid	8021B	5798
880-4473-7	S-7	Total/NA	Solid	8021B	5798
880-4473-8	S-8	Total/NA	Solid	8021B	5798
880-4473-9	S-9	Total/NA	Solid	8021B	5798
880-4473-10	S-10	Total/NA	Solid	8021B	5798
880-4473-11	S-11	Total/NA	Solid	8021B	5798
MB 880-5783/5-A	Method Blank	Total/NA	Solid	8021B	5783
MB 880-5798/5-A	Method Blank	Total/NA	Solid	8021B	5798
LCS 880-5798/1-A	Lab Control Sample	Total/NA	Solid	8021B	5798
LCSD 880-5798/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5798
880-4473-1 MS	S-1	Total/NA	Solid	8021B	5798
880-4473-1 MSD	S-1	Total/NA	Solid	8021B	5798

Prep Batch: 5798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-1	S-1	Total/NA	Solid	5035	
880-4473-2	S-2	Total/NA	Solid	5035	
880-4473-3	S-3	Total/NA	Solid	5035	
880-4473-4	S-4	Total/NA	Solid	5035	
880-4473-5	S-5	Total/NA	Solid	5035	
880-4473-6	S-6	Total/NA	Solid	5035	
880-4473-7	S-7	Total/NA	Solid	5035	
880-4473-8	S-8	Total/NA	Solid	5035	
880-4473-9	S-9	Total/NA	Solid	5035	
880-4473-10	S-10	Total/NA	Solid	5035	
880-4473-11	S-11	Total/NA	Solid	5035	
MB 880-5798/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5798/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5798/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-4473-1 MS	S-1	Total/NA	Solid	5035	
880-4473-1 MSD	S-1	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 5863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-1	S-1	Total/NA	Solid	8015NM Prep	
880-4473-2	S-2	Total/NA	Solid	8015NM Prep	
880-4473-3	S-3	Total/NA	Solid	8015NM Prep	
880-4473-4	S-4	Total/NA	Solid	8015NM Prep	
880-4473-5	S-5	Total/NA	Solid	8015NM Prep	
880-4473-6	S-6	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.

Job ID: 880-4473-1

Project/Site: CB CAL 25 36 State Com 08

GC Semi VOA (Continued)

Prep Batch: 5863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-7	S-7	Total/NA	Solid	8015NM Prep	
880-4473-8	S-8	Total/NA	Solid	8015NM Prep	
880-4473-9	S-9	Total/NA	Solid	8015NM Prep	
880-4473-11	S-11	Total/NA	Solid	8015NM Prep	
MB 880-5863/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5863/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5863/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-4473-1 MS	S-1	Total/NA	Solid	8015NM Prep	
880-4473-1 MSD	S-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 5934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-1	S-1	Total/NA	Solid	8015B NM	5863
880-4473-2	S-2	Total/NA	Solid	8015B NM	5863
880-4473-3	S-3	Total/NA	Solid	8015B NM	5863
880-4473-4	S-4	Total/NA	Solid	8015B NM	5863
880-4473-5	S-5	Total/NA	Solid	8015B NM	5863
880-4473-6	S-6	Total/NA	Solid	8015B NM	5863
880-4473-7	S-7	Total/NA	Solid	8015B NM	5863
880-4473-8	S-8	Total/NA	Solid	8015B NM	5863
880-4473-9	S-9	Total/NA	Solid	8015B NM	5863
880-4473-11	S-11	Total/NA	Solid	8015B NM	5863
MB 880-5863/1-A	Method Blank	Total/NA	Solid	8015B NM	5863
LCS 880-5863/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5863
LCSD 880-5863/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5863
880-4473-1 MS	S-1	Total/NA	Solid	8015B NM	5863
880-4473-1 MSD	S-1	Total/NA	Solid	8015B NM	5863

Analysis Batch: 6276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-10	S-10	Total/NA	Solid	8015B NM	6330
MB 880-6330/1-A	Method Blank	Total/NA	Solid	8015B NM	6330
LCS 880-6330/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6330
LCSD 880-6330/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6330
890-1075-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	6330
890-1075-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	6330

Prep Batch: 6330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-10	S-10	Total/NA	Solid	8015NM Prep	
MB 880-6330/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6330/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6330/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1075-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1075-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 5809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-1	S-1	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

HPLC/IC (Continued)

Leach Batch: 5809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-2	S-2	Soluble	Solid	DI Leach	
880-4473-3	S-3	Soluble	Solid	DI Leach	
880-4473-4	S-4	Soluble	Solid	DI Leach	
MB 880-5809/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5809/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5809/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4470-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-4470-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 5810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-5	S-5	Soluble	Solid	DI Leach	
880-4473-6	S-6	Soluble	Solid	DI Leach	
880-4473-7	S-7	Soluble	Solid	DI Leach	
880-4473-8	S-8	Soluble	Solid	DI Leach	
880-4473-9	S-9	Soluble	Solid	DI Leach	
880-4473-10	S-10	Soluble	Solid	DI Leach	
880-4473-11	S-11	Soluble	Solid	DI Leach	
MB 880-5810/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5810/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5810/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4473-5 MS	S-5	Soluble	Solid	DI Leach	
880-4473-5 MSD	S-5	Soluble	Solid	DI Leach	

Analysis Batch: 5879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-5	S-5	Soluble	Solid	300.0	5810
880-4473-6	S-6	Soluble	Solid	300.0	5810
880-4473-7	S-7	Soluble	Solid	300.0	5810
880-4473-8	S-8	Soluble	Solid	300.0	5810
880-4473-9	S-9	Soluble	Solid	300.0	5810
880-4473-10	S-10	Soluble	Solid	300.0	5810
880-4473-11	S-11	Soluble	Solid	300.0	5810
MB 880-5810/1-A	Method Blank	Soluble	Solid	300.0	5810
LCS 880-5810/2-A	Lab Control Sample	Soluble	Solid	300.0	5810
LCSD 880-5810/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5810
880-4473-5 MS	S-5	Soluble	Solid	300.0	5810
880-4473-5 MSD	S-5	Soluble	Solid	300.0	5810

Analysis Batch: 6064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4473-1	S-1	Soluble	Solid	300.0	5809
880-4473-2	S-2	Soluble	Solid	300.0	5809
880-4473-3	S-3	Soluble	Solid	300.0	5809
880-4473-4	S-4	Soluble	Solid	300.0	5809
MB 880-5809/1-A	Method Blank	Soluble	Solid	300.0	5809
LCS 880-5809/2-A	Lab Control Sample	Soluble	Solid	300.0	5809
LCSD 880-5809/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5809
880-4470-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	5809
880-4470-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	5809

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Client Sample ID: S-1

Lab Sample ID: 880-4473-1

Date Collected: 07/21/21 12:00

Matrix: Solid

Date Received: 07/29/21 10:36

Prep 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	5798	07/29/21 11:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5785	07/30/21 02:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/01/21 23:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5809	07/29/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		5			6064	08/04/21 21:42	CH	XEN MID

Client Sample ID: S-2

Lab Sample ID: 880-4473-2

Date Collected: 07/21/21 12:02

Matrix: Solid

Date Received: 07/29/21 10:36

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	5798	07/29/21 11:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5785	07/30/21 02:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 00:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5809	07/29/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		5			6064	08/04/21 21:47	CH	XEN MID

Client Sample ID: S-3

Lab Sample ID: 880-4473-3

Date Collected: 07/21/21 12:04

Matrix: Solid

Date Received: 07/29/21 10:36

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	5798	07/29/21 11:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5785	07/30/21 03:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 01:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5809	07/29/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		5			6064	08/04/21 21:53	CH	XEN MID

Client Sample ID: S-4

Lab Sample ID: 880-4473-4

Date Collected: 07/21/21 12:06

Matrix: Solid

Date Received: 07/29/21 10:36

Prep 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	5798	07/29/21 11:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5785	07/30/21 06:48	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 01:25	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5809	07/29/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		10			6064	08/04/21 21:58	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Client Sample ID: S-5

Lab Sample ID: 880-4473-5

Date Collected: 07/21/21 12:08

Matrix: Solid

Date Received: 07/29/21 10:36

Prep 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	5798	07/29/21 11:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5785	07/30/21 07:09	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 01:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		5			5879	07/30/21 18:43	CH	XEN MID

Client Sample ID: S-6

Lab Sample ID: 880-4473-6

Date Collected: 07/21/21 12:10

Matrix: Solid

Date Received: 07/29/21 10:36

Prep 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	5798	07/29/21 11:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5785	07/30/21 07:30	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 02:07	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		1			5879	07/30/21 18:59	CH	XEN MID

Client Sample ID: S-7

Lab Sample ID: 880-4473-7

Date Collected: 07/21/21 12:12

Matrix: Solid

Date Received: 07/29/21 10:36

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	5798	07/29/21 11:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5785	07/30/21 07:51	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 02:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		5			5879	07/30/21 19:05	CH	XEN MID

Client Sample ID: S-8

Lab Sample ID: 880-4473-8

Date Collected: 07/21/21 12:14

Matrix: Solid

Date Received: 07/29/21 10:36

Prep 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	5798	07/29/21 11:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5785	07/30/21 08:11	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 02:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		5			5879	07/30/21 19:10	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

Client Sample ID: S-9

Lab Sample ID: 880-4473-9

Date Collected: 07/21/21 12:16

Matrix: Solid

Date Received: 07/29/21 10:36

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	5798	07/29/21 11:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5785	07/30/21 08:32	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 03:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		5			5879	07/30/21 19:16	CH	XEN MID

Client Sample ID: S-10

Lab Sample ID: 880-4473-10

Date Collected: 07/21/21 12:18

Matrix: Solid

Date Received: 07/29/21 10:36

Prep 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	5798	07/29/21 11:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5785	07/30/21 08:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6330	08/10/21 14:43	DM	XEN MID
Total/NA	Analysis	8015B NM		20			6276	08/11/21 05:08	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		1			5879	07/30/21 19:32	CH	XEN MID

Client Sample ID: S-11

Lab Sample ID: 880-4473-11

Date Collected: 07/21/21 12:20

Matrix: Solid

Date Received: 07/29/21 10:36

Prep 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	5798	07/29/21 11:04	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5785	07/30/21 09:13	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5863	07/30/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/02/21 04:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		5			5879	07/30/21 19:37	CH	XEN MID

Laboratory References:

XEN MID = 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: CB CAL 25 36 State Com 08

Job ID: 880-4473-1

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	06-30-22

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.

Job ID: 880-4473-1

Project/Site: CB CAL 25 36 State Com 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.

Job ID: 880-4473-1

Project/Site: CB CAL 25 36 State Com 08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-4473-1	S-1	Solid	07/21/21 12:00	07/29/21 10:36
880-4473-2	S-2	Solid	07/21/21 12:02	07/29/21 10:36
880-4473-3	S-3	Solid	07/21/21 12:04	07/29/21 10:36
880-4473-4	S-4	Solid	07/21/21 12:06	07/29/21 10:36
880-4473-5	S-5	Solid	07/21/21 12:08	07/29/21 10:36
880-4473-6	S-6	Solid	07/21/21 12:10	07/29/21 10:36
880-4473-7	S-7	Solid	07/21/21 12:12	07/29/21 10:36
880-4473-8	S-8	Solid	07/21/21 12:14	07/29/21 10:36
880-4473-9	S-9	Solid	07/21/21 12:16	07/29/21 10:36
880-4473-10	S-10	Solid	07/21/21 12:18	07/29/21 10:36
880-4473-11	S-11	Solid	07/21/21 12:20	07/29/21 10:36

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-4473-1

Login Number: 4473

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-9100-1
Client Project/Site: CB Cal 25 36

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

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
12/21/2021 4:30:48 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: CB Cal 25 36

Laboratory Job ID: 880-9100-1

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Qualifiers

GC VOA

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

Glossary

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

Eurofins Xenco, Midland

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Job ID: 880-9100-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-9100-1

Comments

No additional comments.

Receipt

The samples were received on 12/8/2021 9:32 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 -1.3° C.

Receipt Exceptions

The following samples were listed on the Chain of Custody (COC); however, no samples were received: PB-6,10' (880-9100-19). Per Robert Nelson, this sample was cancelled and the report issued.

GC VOA

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

GC Semi VOA

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-14403 and analytical batch 880-14436 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: PB-4,1' (880-9100-40). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-14376 and analytical batch 880-14554 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-14384 and analytical batch 880-14419 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-14492 and analytical batch 880-14576 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-14490 and analytical batch 880-14575 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-14387 and analytical batch 880-14570 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Organic Prep

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

VOA Prep

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Job ID: 880-9100-1 (Continued)

Laboratory: Eurofins Xenco, Midland (Continued)

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

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-7,1'

Date Collected: 12/02/21 11:15

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199	mg/Kg		12/08/21 10:21	12/08/21 22:40	1
Toluene	<0.00199	U F1	0.00199	mg/Kg		12/08/21 10:21	12/08/21 22:40	1
Ethylbenzene	<0.00199	U F1	0.00199	mg/Kg		12/08/21 10:21	12/08/21 22:40	1
m,p-Xylenes	<0.00398	U F1	0.00398	mg/Kg		12/08/21 10:21	12/08/21 22:40	1
o-Xylene	<0.00199	U F1	0.00199	mg/Kg		12/08/21 10:21	12/08/21 22:40	1
Xylenes, Total	<0.00398	U F1	0.00398	mg/Kg		12/08/21 10:21	12/08/21 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/08/21 10:21	12/08/21 22:40	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/08/21 10:21	12/08/21 22:40	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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9	mg/Kg		12/09/21 13:11	12/11/21 11:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 11:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	12/09/21 13:11	12/11/21 11:52	1
o-Terphenyl (Surr)	84		70 - 130	12/09/21 13:11	12/11/21 11:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	297		4.99	mg/Kg			12/12/21 15:24	1

Client Sample ID: PB-7,3'

Date Collected: 12/02/21 11:16

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-2

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/08/21 23:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/08/21 23:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/08/21 23:00	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/08/21 10:21	12/08/21 23:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/08/21 23:00	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/08/21 10:21	12/08/21 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/08/21 10:21	12/08/21 23:00	1
1,4-Difluorobenzene (Surr)	114		70 - 130	12/08/21 10:21	12/08/21 23:00	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-7,3'

Date Collected: 12/02/21 11:16

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-2

Matrix: Solid

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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 12:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 12:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 12:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/09/21 13:11	12/11/21 12:56	1
o-Terphenyl (Surr)	92		70 - 130			12/09/21 13:11	12/11/21 12:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.95	mg/Kg			12/13/21 13:06	1

Client Sample ID: PB-7,5'

Date Collected: 12/02/21 11:17

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/08/21 23:21	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/08/21 23:21	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/08/21 23:21	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/08/21 10:21	12/08/21 23:21	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/08/21 23:21	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/08/21 10:21	12/08/21 23:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			12/08/21 10:21	12/08/21 23:21	1
1,4-Difluorobenzene (Surr)	118		70 - 130			12/08/21 10:21	12/08/21 23:21	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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 13:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 13:17	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-7,5'

Lab Sample ID: 880-9100-3

Date Collected: 12/02/21 11:17

Matrix: Solid

Date Received: 12/08/21 09:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 13:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			12/09/21 13:11	12/11/21 13:17	1
o-Terphenyl (Surr)	100		70 - 130			12/09/21 13:11	12/11/21 13:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		4.95	mg/Kg			12/13/21 13:13	1

Client Sample ID: S-11, 1'

Lab Sample ID: 880-9100-4

Date Collected: 12/02/21 11:30

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/08/21 23:41	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/08/21 23:41	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/08/21 23:41	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/08/21 10:21	12/08/21 23:41	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/08/21 23:41	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/08/21 10:21	12/08/21 23:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			12/08/21 10:21	12/08/21 23:41	1
1,4-Difluorobenzene (Surr)	119		70 - 130			12/08/21 10:21	12/08/21 23:41	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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 13:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 13:38	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 13:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			12/09/21 13:11	12/11/21 13:38	1
o-Terphenyl (Surr)	90		70 - 130			12/09/21 13:11	12/11/21 13:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		5.00	mg/Kg			12/13/21 20:48	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-11, 3'

Date Collected: 12/02/21 11:31

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-5

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:21	12/09/21 00:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:21	12/09/21 00:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:21	12/09/21 00:02	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/21 10:21	12/09/21 00:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:21	12/09/21 00:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/21 10:21	12/09/21 00:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/08/21 10:21	12/09/21 00:02	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/08/21 10:21	12/09/21 00:02	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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/09/21 13:11	12/11/21 13:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/09/21 13:11	12/11/21 13:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/09/21 13:11	12/11/21 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	12/09/21 13:11	12/11/21 13:59	1
o-Terphenyl (Surr)	84		70 - 130	12/09/21 13:11	12/11/21 13:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	197		25.0	mg/Kg			12/13/21 21:08	5

Client Sample ID: S-11, 5'

Date Collected: 12/02/21 11:32

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-6

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 00:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 00:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 00:22	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 10:21	12/09/21 00:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 00:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 10:21	12/09/21 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	12/08/21 10:21	12/09/21 00:22	1
1,4-Difluorobenzene (Surr)	116		70 - 130	12/08/21 10:21	12/09/21 00:22	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-11, 5'

Date Collected: 12/02/21 11:32

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-6

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/13/21 11:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.2		49.9	mg/Kg			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 14:19	1
Diesel Range Organics (Over C10-C28)	60.2		49.9	mg/Kg		12/09/21 13:11	12/11/21 14:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 14:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			12/09/21 13:11	12/11/21 14:19	1
o-Terphenyl (Surr)	100		70 - 130			12/09/21 13:11	12/11/21 14:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	266		24.8	mg/Kg			12/13/21 21:15	5

Client Sample ID: S-11, 10'

Date Collected: 12/02/21 11:33

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-7

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		12/08/21 10:21	12/09/21 00:42	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/08/21 10:21	12/09/21 00:42	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		12/08/21 10:21	12/09/21 00:42	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		12/08/21 10:21	12/09/21 00:42	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/08/21 10:21	12/09/21 00:42	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		12/08/21 10:21	12/09/21 00:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130			12/08/21 10:21	12/09/21 00:42	1
1,4-Difluorobenzene (Surr)	117		70 - 130			12/08/21 10:21	12/09/21 00:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/09/21 13:11	12/11/21 14:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/09/21 13:11	12/11/21 14:40	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-11, 10'

Lab Sample ID: 880-9100-7

Date Collected: 12/02/21 11:33

Matrix: Solid

Date Received: 12/08/21 09:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/09/21 13:11	12/11/21 14:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			12/09/21 13:11	12/11/21 14:40	1
o-Terphenyl (Surr)	93		70 - 130			12/09/21 13:11	12/11/21 14:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	296	F1	4.95	mg/Kg			12/13/21 03:31	1

Client Sample ID: PB-2, 1

Lab Sample ID: 880-9100-8

Date Collected: 12/02/21 11:50

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 01:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 01:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 01:03	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/08/21 10:21	12/09/21 01:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 01:03	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/08/21 10:21	12/09/21 01:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			12/08/21 10:21	12/09/21 01:03	1
1,4-Difluorobenzene (Surr)	110		70 - 130			12/08/21 10:21	12/09/21 01:03	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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 15:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 15:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 15:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			12/09/21 13:11	12/11/21 15:01	1
o-Terphenyl (Surr)	106		70 - 130			12/09/21 13:11	12/11/21 15:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	265		25.2	mg/Kg			12/13/21 03:51	5

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-2, 3'

Lab Sample ID: 880-9100-9

Date Collected: 12/02/21 11:51

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 01:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 01:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 01:23	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/08/21 10:21	12/09/21 01:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 01:23	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/08/21 10:21	12/09/21 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/08/21 10:21	12/09/21 01:23	1
1,4-Difluorobenzene (Surr)	80		70 - 130	12/08/21 10:21	12/09/21 01:23	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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 15:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 15:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	12/09/21 13:11	12/11/21 15:21	1
o-Terphenyl (Surr)	96		70 - 130	12/09/21 13:11	12/11/21 15:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		4.99	mg/Kg			12/13/21 13:59	1

Client Sample ID: PB-2, 5'

Lab Sample ID: 880-9100-10

Date Collected: 12/02/21 11:52

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/09/21 01:44	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/09/21 01:44	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/09/21 01:44	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		12/08/21 10:21	12/09/21 01:44	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/09/21 01:44	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		12/08/21 10:21	12/09/21 01:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	12/08/21 10:21	12/09/21 01:44	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/08/21 10:21	12/09/21 01:44	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-2, 5'

Date Collected: 12/02/21 11:52

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-10

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 15:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 15:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 15:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			12/09/21 13:11	12/11/21 15:42	1
o-Terphenyl (Surr)	92		70 - 130			12/09/21 13:11	12/11/21 15:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		4.97	mg/Kg			12/13/21 14:06	1

Client Sample ID: PB-2, 10'

Date Collected: 12/02/21 11:53

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-11

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 03:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 03:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 03:06	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 10:21	12/09/21 03:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 03:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 10:21	12/09/21 03:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			12/08/21 10:21	12/09/21 03:06	1
1,4-Difluorobenzene (Surr)	82		70 - 130			12/08/21 10:21	12/09/21 03:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 16:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 16:23	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-2, 10'

Lab Sample ID: 880-9100-11

Date Collected: 12/02/21 11:53

Matrix: Solid

Date Received: 12/08/21 09:38

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		12/09/21 13:11	12/11/21 16:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			12/09/21 13:11	12/11/21 16:23	1
o-Terphenyl (Surr)	90		70 - 130			12/09/21 13:11	12/11/21 16:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	263		4.99	mg/Kg			12/13/21 04:11	1

Client Sample ID: S-10, 1'

Lab Sample ID: 880-9100-12

Date Collected: 12/02/21 12:00

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00310		0.00199	mg/Kg		12/08/21 10:21	12/09/21 03:26	1
Toluene	0.134		0.00199	mg/Kg		12/08/21 10:21	12/09/21 03:26	1
Ethylbenzene	0.289		0.00199	mg/Kg		12/08/21 10:21	12/09/21 03:26	1
m,p-Xylenes	0.661		0.00398	mg/Kg		12/08/21 10:21	12/09/21 03:26	1
o-Xylene	0.340		0.00199	mg/Kg		12/08/21 10:21	12/09/21 03:26	1
Xylenes, Total	1.00		0.00398	mg/Kg		12/08/21 10:21	12/09/21 03:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	217	S1+	70 - 130			12/08/21 10:21	12/09/21 03:26	1
1,4-Difluorobenzene (Surr)	88		70 - 130			12/08/21 10:21	12/09/21 03:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.43		0.00398	mg/Kg			12/13/21 11:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14200		250	mg/Kg			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1040		250	mg/Kg		12/09/21 13:11	12/12/21 09:18	5
Diesel Range Organics (Over C10-C28)	13200		250	mg/Kg		12/09/21 13:11	12/12/21 09:18	5
Oil Range Organics (Over C28-C36)	<250	U	250	mg/Kg		12/09/21 13:11	12/12/21 09:18	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			12/09/21 13:11	12/12/21 09:18	5
o-Terphenyl (Surr)	87		70 - 130			12/09/21 13:11	12/12/21 09:18	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	474		4.95	mg/Kg			12/13/21 04:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-10, 3'

Lab Sample ID: 880-9100-13

Date Collected: 12/02/21 12:01

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:21	12/09/21 03:46	1
Toluene	0.00541		0.00201	mg/Kg		12/08/21 10:21	12/09/21 03:46	1
Ethylbenzene	0.00856		0.00201	mg/Kg		12/08/21 10:21	12/09/21 03:46	1
m,p-Xylenes	0.0226		0.00402	mg/Kg		12/08/21 10:21	12/09/21 03:46	1
o-Xylene	0.0134		0.00201	mg/Kg		12/08/21 10:21	12/09/21 03:46	1
Xylenes, Total	0.0360		0.00402	mg/Kg		12/08/21 10:21	12/09/21 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/08/21 10:21	12/09/21 03:46	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/08/21 10:21	12/09/21 03:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0500		0.00402	mg/Kg			12/13/21 11:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	111		49.9	mg/Kg			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 17:05	1
Diesel Range Organics (Over C10-C28)	111		49.9	mg/Kg		12/09/21 13:11	12/11/21 17:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130	12/09/21 13:11	12/11/21 17:05	1
o-Terphenyl (Surr)	91		70 - 130	12/09/21 13:11	12/11/21 17:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		4.96	mg/Kg			12/13/21 04:38	1

Client Sample ID: S-10, 5'

Lab Sample ID: 880-9100-14

Date Collected: 12/02/21 12:02

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 04:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 04:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 04:07	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 10:21	12/09/21 04:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 04:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 10:21	12/09/21 04:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	181	S1+	70 - 130	12/08/21 10:21	12/09/21 04:07	1
1,4-Difluorobenzene (Surr)	78		70 - 130	12/08/21 10:21	12/09/21 04:07	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-10, 5'

Lab Sample ID: 880-9100-14

Date Collected: 12/02/21 12:02

Matrix: Solid

Date Received: 12/08/21 09:38

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 17:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 17:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 17:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			12/09/21 13:11	12/11/21 17:25	1
o-Terphenyl (Surr)	89		70 - 130			12/09/21 13:11	12/11/21 17:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124	F1	4.99	mg/Kg			12/10/21 14:26	1

Client Sample ID: S-10, 10'

Lab Sample ID: 880-9100-15

Date Collected: 12/02/21 12:03

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 04:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 04:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 04:27	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/08/21 10:21	12/09/21 04:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/09/21 04:27	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/08/21 10:21	12/09/21 04:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130			12/08/21 10:21	12/09/21 04:27	1
1,4-Difluorobenzene (Surr)	130		70 - 130			12/08/21 10:21	12/09/21 04:27	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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 17:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 17:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-10, 10'

Lab Sample ID: 880-9100-15

Date Collected: 12/02/21 12:03

Matrix: Solid

Date Received: 12/08/21 09:38

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		12/09/21 13:11	12/11/21 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			12/09/21 13:11	12/11/21 17:46	1
o-Terphenyl (Surr)	105		70 - 130			12/09/21 13:11	12/11/21 17:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		4.95	mg/Kg			12/10/21 14:46	1

Client Sample ID: PB-6,1'

Lab Sample ID: 880-9100-16

Date Collected: 12/02/21 12:20

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/09/21 04:48	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/09/21 04:48	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/09/21 04:48	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/08/21 10:21	12/09/21 04:48	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:21	12/09/21 04:48	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/08/21 10:21	12/09/21 04:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			12/08/21 10:21	12/09/21 04:48	1
1,4-Difluorobenzene (Surr)	106		70 - 130			12/08/21 10:21	12/09/21 04:48	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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 18:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 18:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 18:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130			12/09/21 13:11	12/11/21 18:07	1
o-Terphenyl (Surr)	90		70 - 130			12/09/21 13:11	12/11/21 18:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	466		4.95	mg/Kg			12/10/21 14:53	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-6,3'

Lab Sample ID: 880-9100-17

Date Collected: 12/02/21 12:21

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:21	12/09/21 05:08	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:21	12/09/21 05:08	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:21	12/09/21 05:08	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/08/21 10:21	12/09/21 05:08	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:21	12/09/21 05:08	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/08/21 10:21	12/09/21 05:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	12/08/21 10:21	12/09/21 05:08	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/08/21 10:21	12/09/21 05:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/09/21 13:11	12/11/21 18:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/09/21 13:11	12/11/21 18:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/09/21 13:11	12/11/21 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130	12/09/21 13:11	12/11/21 18:28	1
o-Terphenyl (Surr)	105		70 - 130	12/09/21 13:11	12/11/21 18:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.4		5.02	mg/Kg			12/10/21 15:00	1

Client Sample ID: PB-6,5'

Lab Sample ID: 880-9100-18

Date Collected: 12/02/21 12:22

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:21	12/09/21 05:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:21	12/09/21 05:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:21	12/09/21 05:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/21 10:21	12/09/21 05:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:21	12/09/21 05:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/21 10:21	12/09/21 05:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/08/21 10:21	12/09/21 05:29	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/08/21 10:21	12/09/21 05:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-6,5'

Lab Sample ID: 880-9100-18

Date Collected: 12/02/21 12:22

Matrix: Solid

Date Received: 12/08/21 09:38

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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 18:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 18:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 18:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			12/09/21 13:11	12/11/21 18:49	1
o-Terphenyl (Surr)	99		70 - 130			12/09/21 13:11	12/11/21 18:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136	F1	25.0	mg/Kg			12/12/21 18:19	5

Client Sample ID: PB-1,1'

Lab Sample ID: 880-9100-20

Date Collected: 12/02/21 12:40

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:21	12/09/21 05:49	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:21	12/09/21 05:49	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:21	12/09/21 05:49	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/21 10:21	12/09/21 05:49	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:21	12/09/21 05:49	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/21 10:21	12/09/21 05:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			12/08/21 10:21	12/09/21 05:49	1
1,4-Difluorobenzene (Surr)	106		70 - 130			12/08/21 10:21	12/09/21 05:49	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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 19:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 19:11	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-1,1'

Lab Sample ID: 880-9100-20

Date Collected: 12/02/21 12:40

Matrix: Solid

Date Received: 12/08/21 09:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 19:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			12/09/21 13:11	12/11/21 19:11	1
o-Terphenyl (Surr)	88		70 - 130			12/09/21 13:11	12/11/21 19:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		24.8	mg/Kg			12/12/21 18:52	5

Client Sample ID: PB-1,3'

Lab Sample ID: 880-9100-21

Date Collected: 12/02/21 12:41

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199	mg/Kg		12/08/21 10:23	12/09/21 01:13	1
Toluene	<0.00199	U F1	0.00199	mg/Kg		12/08/21 10:23	12/09/21 01:13	1
Ethylbenzene	<0.00199	U F1	0.00199	mg/Kg		12/08/21 10:23	12/09/21 01:13	1
m,p-Xylenes	<0.00398	U F1	0.00398	mg/Kg		12/08/21 10:23	12/09/21 01:13	1
o-Xylene	<0.00199	U F1	0.00199	mg/Kg		12/08/21 10:23	12/09/21 01:13	1
Xylenes, Total	<0.00398	U F1	0.00398	mg/Kg		12/08/21 10:23	12/09/21 01:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			12/08/21 10:23	12/09/21 01:13	1
1,4-Difluorobenzene (Surr)	98		70 - 130			12/08/21 10:23	12/09/21 01:13	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			12/09/21 09:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9	mg/Kg		12/09/21 16:16	12/10/21 11:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 11:47	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 11:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/09/21 16:16	12/10/21 11:47	1
o-Terphenyl (Surr)	98		70 - 130			12/09/21 16:16	12/10/21 11:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		4.95	mg/Kg			12/13/21 16:49	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-1,5'

Date Collected: 12/02/21 12:42

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-22

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:23	12/09/21 01:33	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:23	12/09/21 01:33	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:23	12/09/21 01:33	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/08/21 10:23	12/09/21 01:33	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:23	12/09/21 01:33	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/08/21 10:23	12/09/21 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/08/21 10:23	12/09/21 01:33	1
1,4-Difluorobenzene (Surr)	89		70 - 130	12/08/21 10:23	12/09/21 01:33	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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 12:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 12:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130	12/09/21 16:16	12/10/21 12:47	1
o-Terphenyl (Surr)	110		70 - 130	12/09/21 16:16	12/10/21 12:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		5.02	mg/Kg			12/13/21 17:00	1

Client Sample ID: PB-1,10'

Date Collected: 12/02/21 12:45

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-23

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 01:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 01:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 01:54	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 10:23	12/09/21 01:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 01:54	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 10:23	12/09/21 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/08/21 10:23	12/09/21 01:54	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/08/21 10:23	12/09/21 01:54	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-1,10'

Lab Sample ID: 880-9100-23

Date Collected: 12/02/21 12:45

Matrix: Solid

Date Received: 12/08/21 09:38

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 13:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 13:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 13:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			12/09/21 16:16	12/10/21 13:07	1
o-Terphenyl (Surr)	96		70 - 130			12/09/21 16:16	12/10/21 13:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	234		4.98	mg/Kg			12/12/21 19:25	1

Client Sample ID: S-7,1'

Lab Sample ID: 880-9100-24

Date Collected: 12/03/21 10:00

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 02:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 02:14	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 02:14	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 02:14	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 02:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 02:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			12/08/21 10:23	12/09/21 02:14	1
1,4-Difluorobenzene (Surr)	94		70 - 130			12/08/21 10:23	12/09/21 02:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 13:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 13:27	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-7,1'

Lab Sample ID: 880-9100-24

Date Collected: 12/03/21 10:00

Matrix: Solid

Date Received: 12/08/21 09:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 13:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			12/09/21 16:16	12/10/21 13:27	1
o-Terphenyl (Surr)	109		70 - 130			12/09/21 16:16	12/10/21 13:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	425		4.96	mg/Kg			12/12/21 19:58	1

Client Sample ID: S-7,3'

Lab Sample ID: 880-9100-25

Date Collected: 12/03/21 10:01

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 02:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 02:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 02:35	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/08/21 10:23	12/09/21 02:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 02:35	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/08/21 10:23	12/09/21 02:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			12/08/21 10:23	12/09/21 02:35	1
1,4-Difluorobenzene (Surr)	96		70 - 130			12/08/21 10:23	12/09/21 02:35	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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/09/21 16:16	12/10/21 14:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/09/21 16:16	12/10/21 14:27	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/09/21 16:16	12/10/21 14:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			12/09/21 16:16	12/10/21 14:27	1
o-Terphenyl (Surr)	124		70 - 130			12/09/21 16:16	12/10/21 14:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		5.04	mg/Kg			12/12/21 20:09	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-7,5'

Lab Sample ID: 880-9100-26

Date Collected: 12/03/21 10:02

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 02:55	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 02:55	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 02:55	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 02:55	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 02:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 02:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/08/21 10:23	12/09/21 02:55	1
1,4-Difluorobenzene (Surr)	122		70 - 130	12/08/21 10:23	12/09/21 02:55	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			12/13/21 11:41	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 14:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 14:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	12/09/21 16:16	12/10/21 14:47	1
o-Terphenyl (Surr)	124		70 - 130	12/09/21 16:16	12/10/21 14:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.05	mg/Kg			12/13/21 17:11	1

Client Sample ID: S-7,10'

Lab Sample ID: 880-9100-27

Date Collected: 12/03/21 10:03

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 03:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 03:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 03:16	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 03:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 03:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 03:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/08/21 10:23	12/09/21 03:16	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/08/21 10:23	12/09/21 03:16	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-7,10'

Lab Sample ID: 880-9100-27

Date Collected: 12/03/21 10:03

Matrix: Solid

Date Received: 12/08/21 09:38

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			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/09/21 16:16	12/10/21 15:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/09/21 16:16	12/10/21 15:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/09/21 16:16	12/10/21 15:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/09/21 16:16	12/10/21 15:08	1
o-Terphenyl (Surr)	108		70 - 130			12/09/21 16:16	12/10/21 15:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	199		4.99	mg/Kg			12/12/21 20:30	1

Client Sample ID: PB-3,1'

Lab Sample ID: 880-9100-28

Date Collected: 12/03/21 12:00

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 03:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 03:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 03:36	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/08/21 10:23	12/09/21 03:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 03:36	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/08/21 10:23	12/09/21 03:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			12/08/21 10:23	12/09/21 03:36	1
1,4-Difluorobenzene (Surr)	100		70 - 130			12/08/21 10:23	12/09/21 03:36	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			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 15:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 15:28	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-3,1'

Lab Sample ID: 880-9100-28

Date Collected: 12/03/21 12:00

Matrix: Solid

Date Received: 12/08/21 09:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 15:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130			12/09/21 16:16	12/10/21 15:28	1
o-Terphenyl (Surr)	95		70 - 130			12/09/21 16:16	12/10/21 15:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		4.97	mg/Kg			12/12/21 20:41	1

Client Sample ID: PB-3, 3'

Lab Sample ID: 880-9100-29

Date Collected: 12/03/21 10:21

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 03:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 03:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 03:57	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/08/21 10:23	12/09/21 03:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 03:57	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/08/21 10:23	12/09/21 03:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130			12/08/21 10:23	12/09/21 03:57	1
1,4-Difluorobenzene (Surr)	99		70 - 130			12/08/21 10:23	12/09/21 03:57	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			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 15:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 15:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 15:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130			12/09/21 16:16	12/10/21 15:48	1
o-Terphenyl (Surr)	99		70 - 130			12/09/21 16:16	12/10/21 15:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.98	mg/Kg			12/13/21 17:22	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-3, 5'

Lab Sample ID: 880-9100-30

Date Collected: 12/03/21 10:22

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:23	12/09/21 04:17	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:23	12/09/21 04:17	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:23	12/09/21 04:17	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/08/21 10:23	12/09/21 04:17	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:23	12/09/21 04:17	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/08/21 10:23	12/09/21 04:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	12/08/21 10:23	12/09/21 04:17	1
1,4-Difluorobenzene (Surr)	82		70 - 130	12/08/21 10:23	12/09/21 04:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 16:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 16:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	12/09/21 16:16	12/10/21 16:29	1
o-Terphenyl (Surr)	108		70 - 130	12/09/21 16:16	12/10/21 16:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		25.1	mg/Kg			12/12/21 21:25	5

Client Sample ID: PB-3,10'

Lab Sample ID: 880-9100-31

Date Collected: 12/03/21 10:23

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:23	12/09/21 06:07	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:23	12/09/21 06:07	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:23	12/09/21 06:07	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		12/08/21 10:23	12/09/21 06:07	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:23	12/09/21 06:07	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		12/08/21 10:23	12/09/21 06:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/08/21 10:23	12/09/21 06:07	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/08/21 10:23	12/09/21 06:07	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-3,10'

Lab Sample ID: 880-9100-31

Date Collected: 12/03/21 10:23

Matrix: Solid

Date Received: 12/08/21 09:38

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 17:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 17:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 17:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130			12/09/21 16:16	12/10/21 17:09	1
o-Terphenyl (Surr)	87		70 - 130			12/09/21 16:16	12/10/21 17:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166		5.05	mg/Kg			12/12/21 21:36	1

Client Sample ID: PB-8,1'

Lab Sample ID: 880-9100-32

Date Collected: 12/03/21 10:35

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 06:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 06:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 06:28	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/08/21 10:23	12/09/21 06:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 06:28	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/08/21 10:23	12/09/21 06:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			12/08/21 10:23	12/09/21 06:28	1
1,4-Difluorobenzene (Surr)	99		70 - 130			12/08/21 10:23	12/09/21 06:28	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			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 17:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 17:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-8,1'

Lab Sample ID: 880-9100-32

Date Collected: 12/03/21 10:35

Matrix: Solid

Date Received: 12/08/21 09:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 17:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			12/09/21 16:16	12/10/21 17:29	1
o-Terphenyl (Surr)	91		70 - 130			12/09/21 16:16	12/10/21 17:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		4.95	mg/Kg			12/12/21 22:09	1

Client Sample ID: PB-8,3'

Lab Sample ID: 880-9100-33

Date Collected: 12/03/21 10:36

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:23	12/09/21 06:48	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:23	12/09/21 06:48	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:23	12/09/21 06:48	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/08/21 10:23	12/09/21 06:48	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:23	12/09/21 06:48	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/08/21 10:23	12/09/21 06:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			12/08/21 10:23	12/09/21 06:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130			12/08/21 10:23	12/09/21 06:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 17:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 17:49	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 17:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			12/09/21 16:16	12/10/21 17:49	1
o-Terphenyl (Surr)	93		70 - 130			12/09/21 16:16	12/10/21 17:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		25.1	mg/Kg			12/12/21 22:19	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-8,5'

Lab Sample ID: 880-9100-34

Date Collected: 12/03/21 10:37

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 07:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 07:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 07:09	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 07:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 07:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 07:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	12/08/21 10:23	12/09/21 07:09	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/08/21 10:23	12/09/21 07:09	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			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 18:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130	12/09/21 16:16	12/10/21 18:10	1
o-Terphenyl (Surr)	94		70 - 130	12/09/21 16:16	12/10/21 18:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		25.2	mg/Kg			12/12/21 22:30	5

Client Sample ID: PB-8,10'

Lab Sample ID: 880-9100-35

Date Collected: 12/03/21 10:38

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 07:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 07:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 07:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 07:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 07:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 07:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/08/21 10:23	12/09/21 07:29	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/08/21 10:23	12/09/21 07:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-8,10'

Lab Sample ID: 880-9100-35

Date Collected: 12/03/21 10:38

Matrix: Solid

Date Received: 12/08/21 09:38

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			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 18:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 18:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 18:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130			12/09/21 16:16	12/10/21 18:31	1
o-Terphenyl (Surr)	89		70 - 130			12/09/21 16:16	12/10/21 18:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		4.97	mg/Kg			12/12/21 22:41	1

Client Sample ID: S-6,1'

Lab Sample ID: 880-9100-36

Date Collected: 12/03/21 10:55

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 07:50	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 07:50	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 07:50	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 07:50	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 07:50	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 07:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			12/08/21 10:23	12/09/21 07:50	1
1,4-Difluorobenzene (Surr)	96		70 - 130			12/08/21 10:23	12/09/21 07:50	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			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 18:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 18:52	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-6,1'

Lab Sample ID: 880-9100-36

Date Collected: 12/03/21 10:55

Matrix: Solid

Date Received: 12/08/21 09:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 18:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130			12/09/21 16:16	12/10/21 18:52	1
o-Terphenyl (Surr)	88		70 - 130			12/09/21 16:16	12/10/21 18:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	188		4.95	mg/Kg			12/12/21 22:52	1

Client Sample ID: S-6,3'

Lab Sample ID: 880-9100-37

Date Collected: 12/03/21 10:56

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 08:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 08:10	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 08:10	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 08:10	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:23	12/09/21 08:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/21 10:23	12/09/21 08:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			12/08/21 10:23	12/09/21 08:10	1
1,4-Difluorobenzene (Surr)	93		70 - 130			12/08/21 10:23	12/09/21 08:10	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			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/09/21 16:16	12/10/21 19:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/09/21 16:16	12/10/21 19:12	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/09/21 16:16	12/10/21 19:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130			12/09/21 16:16	12/10/21 19:12	1
o-Terphenyl (Surr)	90		70 - 130			12/09/21 16:16	12/10/21 19:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		4.99	mg/Kg			12/13/21 17:54	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-6,5'

Lab Sample ID: 880-9100-38

Date Collected: 12/03/21 10:57

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 08:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 08:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 08:31	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/08/21 10:23	12/09/21 08:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 08:31	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/08/21 10:23	12/09/21 08:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/08/21 10:23	12/09/21 08:31	1
1,4-Difluorobenzene (Surr)	87		70 - 130	12/08/21 10:23	12/09/21 08:31	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			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 19:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 19:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	12/09/21 16:16	12/10/21 19:33	1
o-Terphenyl (Surr)	90		70 - 130	12/09/21 16:16	12/10/21 19:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		25.1	mg/Kg			12/12/21 23:14	5

Client Sample ID: S-6,10'

Lab Sample ID: 880-9100-39

Date Collected: 12/03/21 10:58

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 08:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 08:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 08:52	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 10:23	12/09/21 08:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 08:52	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 10:23	12/09/21 08:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/08/21 10:23	12/09/21 08:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/08/21 10:23	12/09/21 08:52	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-6,10'

Lab Sample ID: 880-9100-39

Date Collected: 12/03/21 10:58

Matrix: Solid

Date Received: 12/08/21 09:38

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 19:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 19:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 19:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130			12/09/21 16:16	12/10/21 19:53	1
o-Terphenyl (Surr)	88		70 - 130			12/09/21 16:16	12/10/21 19:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	308		4.98	mg/Kg			12/13/21 04:45	1

Client Sample ID: PB-4,1'

Lab Sample ID: 880-9100-40

Date Collected: 12/03/21 11:15

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 09:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 09:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 09:12	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/08/21 10:23	12/09/21 09:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 09:12	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/08/21 10:23	12/09/21 09:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			12/08/21 10:23	12/09/21 09:12	1
1,4-Difluorobenzene (Surr)	95		70 - 130			12/08/21 10:23	12/09/21 09:12	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			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 20:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 20:14	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-4,1'

Lab Sample ID: 880-9100-40

Date Collected: 12/03/21 11:15

Matrix: Solid

Date Received: 12/08/21 09:38

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)	<49.9	U	49.9	mg/Kg		12/09/21 16:16	12/10/21 20:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	38	S1-	70 - 130			12/09/21 16:16	12/10/21 20:14	1
o-Terphenyl (Surr)	44	S1-	70 - 130			12/09/21 16:16	12/10/21 20:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	315		4.95	mg/Kg			12/13/21 04:51	1

Client Sample ID: PB-4,3'

Lab Sample ID: 880-9100-41

Date Collected: 12/03/21 11:16

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:37	12/09/21 23:03	1
Toluene	<0.00199	U F1	0.00199	mg/Kg		12/08/21 10:37	12/09/21 23:03	1
Ethylbenzene	<0.00199	U *- F1 *1	0.00199	mg/Kg		12/08/21 10:37	12/09/21 23:03	1
m,p-Xylenes	<0.00398	U F1	0.00398	mg/Kg		12/08/21 10:37	12/09/21 23:03	1
o-Xylene	<0.00199	U F1	0.00199	mg/Kg		12/08/21 10:37	12/09/21 23:03	1
Xylenes, Total	<0.00398	U F1	0.00398	mg/Kg		12/08/21 10:37	12/09/21 23:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130			12/08/21 10:37	12/09/21 23:03	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130			12/08/21 10:37	12/09/21 23:03	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			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9	mg/Kg		12/09/21 08:34	12/09/21 12:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9	mg/Kg		12/09/21 08:34	12/09/21 12:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 08:34	12/09/21 12:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			12/09/21 08:34	12/09/21 12:10	1
o-Terphenyl (Surr)	83		70 - 130			12/09/21 08:34	12/09/21 12:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		25.0	mg/Kg			12/13/21 04:58	5

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-4,5'

Lab Sample ID: 880-9100-42

Date Collected: 12/03/21 11:17

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:37	12/09/21 23:24	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:37	12/09/21 23:24	1
Ethylbenzene	<0.00202	U * - *1	0.00202	mg/Kg		12/08/21 10:37	12/09/21 23:24	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/08/21 10:37	12/09/21 23:24	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/08/21 10:37	12/09/21 23:24	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/08/21 10:37	12/09/21 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/08/21 10:37	12/09/21 23:24	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/08/21 10:37	12/09/21 23:24	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			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 16:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 16:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130	12/09/21 08:34	12/09/21 16:48	1
o-Terphenyl (Surr)	99		70 - 130	12/09/21 08:34	12/09/21 16:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106	F1	24.8	mg/Kg			12/13/21 05:04	5

Client Sample ID: PB-4,10'

Lab Sample ID: 880-9100-43

Date Collected: 12/03/21 11:18

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/09/21 23:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/09/21 23:44	1
Ethylbenzene	<0.00200	U * - *1	0.00200	mg/Kg		12/08/21 10:37	12/09/21 23:44	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/08/21 10:37	12/09/21 23:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/09/21 23:44	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/08/21 10:37	12/09/21 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	12/08/21 10:37	12/09/21 23:44	1
1,4-Difluorobenzene (Surr)	75		70 - 130	12/08/21 10:37	12/09/21 23:44	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-4,10'

Lab Sample ID: 880-9100-43

Date Collected: 12/03/21 11:18

Matrix: Solid

Date Received: 12/08/21 09:38

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			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 08:34	12/09/21 17:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 08:34	12/09/21 17:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 08:34	12/09/21 17:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			12/09/21 08:34	12/09/21 17:09	1
o-Terphenyl (Surr)	81		70 - 130			12/09/21 08:34	12/09/21 17:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	278		5.00	mg/Kg			12/13/21 05:24	1

Client Sample ID: S-9,1'

Lab Sample ID: 880-9100-44

Date Collected: 12/03/21 11:35

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 00:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 00:04	1
Ethylbenzene	<0.00200	U * - *1	0.00200	mg/Kg		12/08/21 10:37	12/10/21 00:04	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 10:37	12/10/21 00:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 00:04	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 10:37	12/10/21 00:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130			12/08/21 10:37	12/10/21 00:04	1
1,4-Difluorobenzene (Surr)	109		70 - 130			12/08/21 10:37	12/10/21 00:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/13/21 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	85.3		49.9	mg/Kg			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 08:34	12/09/21 17:31	1
Diesel Range Organics (Over C10-C28)	85.3		49.9	mg/Kg		12/09/21 08:34	12/09/21 17:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-9,1'

Lab Sample ID: 880-9100-44

Date Collected: 12/03/21 11:35

Matrix: Solid

Date Received: 12/08/21 09:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 08:34	12/09/21 17:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			12/09/21 08:34	12/09/21 17:31	1
o-Terphenyl (Surr)	87		70 - 130			12/09/21 08:34	12/09/21 17:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	426		5.00	mg/Kg			12/13/21 05:31	1

Client Sample ID: S-9,3'

Lab Sample ID: 880-9100-45

Date Collected: 12/03/21 11:36

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:37	12/10/21 00:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:37	12/10/21 00:25	1
Ethylbenzene	<0.00199	U * - *1	0.00199	mg/Kg		12/08/21 10:37	12/10/21 00:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/21 10:37	12/10/21 00:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:37	12/10/21 00:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/21 10:37	12/10/21 00:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			12/08/21 10:37	12/10/21 00:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130			12/08/21 10:37	12/10/21 00:25	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			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/09/21 08:34	12/09/21 17:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/09/21 08:34	12/09/21 17:52	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/09/21 08:34	12/09/21 17:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/09/21 08:34	12/09/21 17:52	1
o-Terphenyl (Surr)	89		70 - 130			12/09/21 08:34	12/09/21 17:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		4.98	mg/Kg			12/13/21 14:13	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-9,5'

Lab Sample ID: 880-9100-46

Date Collected: 12/03/21 11:37

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 00:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 00:45	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		12/08/21 10:37	12/10/21 00:45	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/08/21 10:37	12/10/21 00:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 00:45	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/08/21 10:37	12/10/21 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/08/21 10:37	12/10/21 00:45	1
1,4-Difluorobenzene (Surr)	71		70 - 130	12/08/21 10:37	12/10/21 00:45	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			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 08:34	12/09/21 18:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 08:34	12/09/21 18:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 08:34	12/09/21 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	12/09/21 08:34	12/09/21 18:13	1
o-Terphenyl (Surr)	91		70 - 130	12/09/21 08:34	12/09/21 18:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.2		4.95	mg/Kg			12/13/21 14:19	1

Client Sample ID: S-9,10'

Lab Sample ID: 880-9100-47

Date Collected: 12/03/21 11:38

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:37	12/10/21 01:06	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:37	12/10/21 01:06	1
Ethylbenzene	<0.00201	U *- *1	0.00201	mg/Kg		12/08/21 10:37	12/10/21 01:06	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/08/21 10:37	12/10/21 01:06	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/08/21 10:37	12/10/21 01:06	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/08/21 10:37	12/10/21 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	12/08/21 10:37	12/10/21 01:06	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/08/21 10:37	12/10/21 01:06	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-9,10'

Lab Sample ID: 880-9100-47

Date Collected: 12/03/21 11:38

Matrix: Solid

Date Received: 12/08/21 09:38

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/09/21 08:34	12/09/21 18:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/09/21 08:34	12/09/21 18:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/09/21 08:34	12/09/21 18:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130			12/09/21 08:34	12/09/21 18:35	1
o-Terphenyl (Surr)	83		70 - 130			12/09/21 08:34	12/09/21 18:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		5.00	mg/Kg			12/13/21 06:04	1

Client Sample ID: PB-9,1'

Lab Sample ID: 880-9100-48

Date Collected: 12/03/21 11:55

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:37	12/10/21 01:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:37	12/10/21 01:26	1
Ethylbenzene	<0.00199	U * - *1	0.00199	mg/Kg		12/08/21 10:37	12/10/21 01:26	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/21 10:37	12/10/21 01:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/21 10:37	12/10/21 01:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/21 10:37	12/10/21 01:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130			12/08/21 10:37	12/10/21 01:26	1
1,4-Difluorobenzene (Surr)	121		70 - 130			12/08/21 10:37	12/10/21 01:26	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			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 18:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 18:56	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-9,1'

Lab Sample ID: 880-9100-48

Date Collected: 12/03/21 11:55

Matrix: Solid

Date Received: 12/08/21 09:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 18:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			12/09/21 08:34	12/09/21 18:56	1
o-Terphenyl (Surr)	89		70 - 130			12/09/21 08:34	12/09/21 18:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	232		24.9	mg/Kg			12/13/21 06:11	5

Client Sample ID: PB-9,3'

Lab Sample ID: 880-9100-49

Date Collected: 12/03/21 11:56

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 01:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 01:46	1
Ethylbenzene	<0.00200	U * - *1	0.00200	mg/Kg		12/08/21 10:37	12/10/21 01:46	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 10:37	12/10/21 01:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 01:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 10:37	12/10/21 01:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			12/08/21 10:37	12/10/21 01:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130			12/08/21 10:37	12/10/21 01:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 19:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 19:17	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 19:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130			12/09/21 08:34	12/09/21 19:17	1
o-Terphenyl (Surr)	83		70 - 130			12/09/21 08:34	12/09/21 19:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		4.95	mg/Kg			12/13/21 14:26	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-9,5'

Lab Sample ID: 880-9100-50

Date Collected: 12/03/21 11:57

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 02:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 02:07	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		12/08/21 10:37	12/10/21 02:07	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 10:37	12/10/21 02:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 02:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 10:37	12/10/21 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/08/21 10:37	12/10/21 02:07	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/08/21 10:37	12/10/21 02:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 08:34	12/09/21 19:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 08:34	12/09/21 19:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 08:34	12/09/21 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	12/09/21 08:34	12/09/21 19:38	1
o-Terphenyl (Surr)	91		70 - 130	12/09/21 08:34	12/09/21 19:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.4		5.05	mg/Kg			12/13/21 14:33	1

Client Sample ID: PB-9,10'

Lab Sample ID: 880-9100-51

Date Collected: 12/03/21 11:58

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		12/08/21 10:37	12/10/21 03:30	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/08/21 10:37	12/10/21 03:30	1
Ethylbenzene	<0.00198	U *- *1	0.00198	mg/Kg		12/08/21 10:37	12/10/21 03:30	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		12/08/21 10:37	12/10/21 03:30	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/08/21 10:37	12/10/21 03:30	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		12/08/21 10:37	12/10/21 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	12/08/21 10:37	12/10/21 03:30	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/08/21 10:37	12/10/21 03:30	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-9,10'

Lab Sample ID: 880-9100-51

Date Collected: 12/03/21 11:58

Matrix: Solid

Date Received: 12/08/21 09:38

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			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 19:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 19:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 19:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			12/09/21 08:34	12/09/21 19:59	1
o-Terphenyl (Surr)	104		70 - 130			12/09/21 08:34	12/09/21 19:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148	F1	4.96	mg/Kg			12/13/21 07:24	1

Client Sample ID: PB-5,1'

Lab Sample ID: 880-9100-52

Date Collected: 12/03/21 12:15

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 03:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 03:50	1
Ethylbenzene	<0.00200	U * - *1	0.00200	mg/Kg		12/08/21 10:37	12/10/21 03:50	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/08/21 10:37	12/10/21 03:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 03:50	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/08/21 10:37	12/10/21 03:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			12/08/21 10:37	12/10/21 03:50	1
1,4-Difluorobenzene (Surr)	104		70 - 130			12/08/21 10:37	12/10/21 03:50	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			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/10/21 08:36	12/10/21 17:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/10/21 08:36	12/10/21 17:16	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-5,1'

Lab Sample ID: 880-9100-52

Date Collected: 12/03/21 12:15

Matrix: Solid

Date Received: 12/08/21 09:38

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)	<49.9	U	49.9	mg/Kg		12/10/21 08:36	12/10/21 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/10/21 08:36	12/10/21 17:16	1
o-Terphenyl (Surr)	93		70 - 130			12/10/21 08:36	12/10/21 17:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	239		24.9	mg/Kg			12/13/21 07:44	5

Client Sample ID: PB-5,3'

Lab Sample ID: 880-9100-53

Date Collected: 12/03/21 12:16

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		12/08/21 10:37	12/10/21 04:10	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/08/21 10:37	12/10/21 04:10	1
Ethylbenzene	<0.00198	U *- *1	0.00198	mg/Kg		12/08/21 10:37	12/10/21 04:10	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		12/08/21 10:37	12/10/21 04:10	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/08/21 10:37	12/10/21 04:10	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		12/08/21 10:37	12/10/21 04:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	311	S1+	70 - 130			12/08/21 10:37	12/10/21 04:10	1
1,4-Difluorobenzene (Surr)	286	S1+	70 - 130			12/08/21 10:37	12/10/21 04:10	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			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/10/21 08:36	12/10/21 17:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/10/21 08:36	12/10/21 17:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/10/21 08:36	12/10/21 17:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			12/10/21 08:36	12/10/21 17:38	1
o-Terphenyl (Surr)	94		70 - 130			12/10/21 08:36	12/10/21 17:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.0		49.5	mg/Kg			12/13/21 07:51	10

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-5,5'

Lab Sample ID: 880-9100-54

Date Collected: 12/03/21 12:17

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		12/08/21 10:37	12/10/21 04:31	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/08/21 10:37	12/10/21 04:31	1
Ethylbenzene	<0.00198	U *- *1	0.00198	mg/Kg		12/08/21 10:37	12/10/21 04:31	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		12/08/21 10:37	12/10/21 04:31	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/08/21 10:37	12/10/21 04:31	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		12/08/21 10:37	12/10/21 04:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/08/21 10:37	12/10/21 04:31	1
1,4-Difluorobenzene (Surr)	79		70 - 130	12/08/21 10:37	12/10/21 04:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			12/13/21 11:53	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			12/13/21 12:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/10/21 08:36	12/10/21 17:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/10/21 08:36	12/10/21 17:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/10/21 08:36	12/10/21 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	12/10/21 08:36	12/10/21 17:59	1
o-Terphenyl (Surr)	91		70 - 130	12/10/21 08:36	12/10/21 17:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184		25.2	mg/Kg			12/13/21 07:57	5

Client Sample ID: PB-5,10'

Lab Sample ID: 880-9100-55

Date Collected: 12/03/21 12:18

Matrix: Solid

Date Received: 12/08/21 09:38

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 04:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 04:51	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		12/08/21 10:37	12/10/21 04:51	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/08/21 10:37	12/10/21 04:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/10/21 04:51	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/08/21 10:37	12/10/21 04:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/08/21 10:37	12/10/21 04:51	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/08/21 10:37	12/10/21 04:51	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-5,10'

Lab Sample ID: 880-9100-55

Date Collected: 12/03/21 12:18

Matrix: Solid

Date Received: 12/08/21 09:38

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			12/13/21 11:53	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			12/13/21 09:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 19:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 19:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/21 13:11	12/11/21 19:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			12/09/21 13:11	12/11/21 19:32	1
o-Terphenyl (Surr)	86		70 - 130			12/09/21 13:11	12/11/21 19:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	334		5.00	mg/Kg			12/16/21 18:40	1

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-9100-1	PB-7,1'	106	110
880-9100-1 MS	PB-7,1'	119	95
880-9100-1 MSD	PB-7,1'	112	104
880-9100-2	PB-7,3'	115	114
880-9100-3	PB-7,5'	122	118
880-9100-4	S-11, 1'	139 S1+	119
880-9100-5	S-11, 3'	123	108
880-9100-6	S-11, 5'	131 S1+	116
880-9100-7	S-11, 10'	138 S1+	117
880-9100-8	PB-2, 1	123	110
880-9100-9	PB-2, 3'	114	80
880-9100-10	PB-2, 5'	137 S1+	108
880-9100-11	PB-2, 10'	125	82
880-9100-12	S-10, 1'	217 S1+	88
880-9100-13	S-10, 3'	114	105
880-9100-14	S-10, 5'	181 S1+	78
880-9100-15	S-10, 10'	169 S1+	130
880-9100-16	PB-6,1'	113	106
880-9100-17	PB-6,3'	126	83
880-9100-18	PB-6,5'	119	101
880-9100-20	PB-1,1'	114	106
880-9100-21	PB-1,3'	118	98
880-9100-21 MS	PB-1,3'	108	91
880-9100-21 MSD	PB-1,3'	133 S1+	99
880-9100-22	PB-1,5'	120	89
880-9100-23	PB-1,10'	112	96
880-9100-24	S-7,1'	124	94
880-9100-25	S-7,3'	111	96
880-9100-26	S-7,5'	124	122
880-9100-27	S-7,10'	123	99
880-9100-28	PB-3,1'	117	100
880-9100-29	PB-3, 3'	129	99
880-9100-30	PB-3, 5'	75	82
880-9100-31	PB-3,10'	116	97
880-9100-32	PB-8,1'	121	99
880-9100-33	PB-8,3'	123	95
880-9100-34	PB-8,5'	144 S1+	107
880-9100-35	PB-8,10'	112	92
880-9100-36	S-6,1'	119	96
880-9100-37	S-6,3'	124	93
880-9100-38	S-6,5'	117	87
880-9100-39	S-6,10'	116	98
880-9100-40	PB-4,1'	108	95
880-9100-41	PB-4,3'	154 S1+	132 S1+
880-9100-41 MS	PB-4,3'	124	101
880-9100-41 MSD	PB-4,3'	109	101
880-9100-42	PB-4,5'	108	102
880-9100-43	PB-4,10'	127	75
880-9100-44	S-9,1'	130	109

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-9100-1

Project/Site: CB Cal 25 36

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-9100-45	S-9,3'	106	101
880-9100-46	S-9,5'	123	71
880-9100-47	S-9,10'	133 S1+	110
880-9100-48	PB-9,1'	146 S1+	121
880-9100-49	PB-9,3'	111	101
880-9100-50	PB-9,5'	110	107
880-9100-51	PB-9,10'	129	93
880-9100-52	PB-5,1'	122	104
880-9100-53	PB-5,3'	311 S1+	286 S1+
880-9100-54	PB-5,5'	120	79
880-9100-55	PB-5,10'	107	104
LCS 880-14273/1-A	Lab Control Sample	161 S1+	163 S1+
LCS 880-14274/1-A	Lab Control Sample	117	104
LCS 880-14280/1-A	Lab Control Sample	106	98
LCSD 880-14273/2-A	Lab Control Sample Dup	160 S1+	151 S1+
LCSD 880-14274/2-A	Lab Control Sample Dup	129	103
MB 880-14250/5-A	Method Blank	103	111
MB 880-14252/5-A	Method Blank	120	98
MB 880-14273/5-A	Method Blank	107	105
MB 880-14274/5-A	Method Blank	118	96
MB 880-14280/5-A	Method Blank	105	80
MB 880-14294/5-A	Method Blank	125	124

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
LCSD 880-14280/2-A	Lab Control Sample Dup		

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-9100-1	PB-7,1'	80	84
880-9100-1 MS	PB-7,1'	94	83
880-9100-1 MSD	PB-7,1'	93	83
880-9100-2	PB-7,3'	89	92
880-9100-3	PB-7,5'	99	100
880-9100-4	S-11, 1'	87	90
880-9100-5	S-11, 3'	79	84

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-9100-1

Project/Site: CB Cal 25 36

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)
Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-9100-6	S-11, 5'	98	100
880-9100-7	S-11, 10'	88	93
880-9100-8	PB-2, 1	104	106
880-9100-9	PB-2, 3'	89	96
880-9100-10	PB-2, 5'	87	92
880-9100-11	PB-2, 10'	85	90
880-9100-12	S-10, 1'	107	87
880-9100-13	S-10, 3'	86	91
880-9100-14	S-10, 5'	83	89
880-9100-15	S-10, 10'	98	105
880-9100-16	PB-6,1'	86	90
880-9100-17	PB-6,3'	103	105
880-9100-18	PB-6,5'	100	99
880-9100-20	PB-1,1'	87	88
880-9100-21	PB-1,3'	89	98
880-9100-21 MS	PB-1,3'	89	88
880-9100-21 MSD	PB-1,3'	95	93
880-9100-22	PB-1,5'	95	110
880-9100-23	PB-1,10'	80	96
880-9100-24	S-7,1'	94	109
880-9100-25	S-7,3'	103	124
880-9100-26	S-7,5'	102	124
880-9100-27	S-7,10'	89	108
880-9100-28	PB-3,1'	79	95
880-9100-29	PB-3, 3'	79	99
880-9100-30	PB-3, 5'	87	108
880-9100-31	PB-3,10'	74	87
880-9100-32	PB-8,1'	80	91
880-9100-33	PB-8,3'	83	93
880-9100-34	PB-8,5'	84	94
880-9100-35	PB-8,10'	78	89
880-9100-36	S-6,1'	78	88
880-9100-37	S-6,3'	79	90
880-9100-38	S-6,5'	80	90
880-9100-39	S-6,10'	77	88
880-9100-40	PB-4,1'	38 S1-	44 S1-
880-9100-41	PB-4,3'	83	83
880-9100-41 MS	PB-4,3'	95	85
880-9100-41 MSD	PB-4,3'	108	110
880-9100-42	PB-4,5'	99	99
880-9100-43	PB-4,10'	83	81
880-9100-44	S-9,1'	88	87
880-9100-45	S-9,3'	89	89
880-9100-46	S-9,5'	88	91
880-9100-47	S-9,10'	86	83
880-9100-48	PB-9,1'	88	89
880-9100-49	PB-9,3'	86	83
880-9100-50	PB-9,5'	89	91
880-9100-51	PB-9,10'	101	104
880-9100-52	PB-5,1'	89	93

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-9100-1

Project/Site: CB Cal 25 36

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-9100-53	PB-5,3'	90	94
880-9100-54	PB-5,5'	90	91
880-9100-55	PB-5,10'	82	86
890-1686-A-1-G MS	Matrix Spike	93	91
890-1686-A-1-H MSD	Matrix Spike Duplicate	89	92
LCS 880-14403/2-A	Lab Control Sample	97	101
LCSD 880-14403/3-A	Lab Control Sample Dup	93	100
MB 880-14403/1-A	Method Blank	86	103
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (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	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-14331/2-A	Lab Control Sample	94	99
LCS 880-14376/2-A	Lab Control Sample	86	96
LCS 880-14448/2-A	Lab Control Sample	106	111
LCSD 880-14331/3-A	Lab Control Sample Dup	125	127
LCSD 880-14376/3-A	Lab Control Sample Dup	99	109
LCSD 880-14448/3-A	Lab Control Sample Dup	117	121
MB 880-14331/1-A	Method Blank	103	101
MB 880-14376/1-A	Method Blank	111	117
MB 880-14448/1-A	Method Blank	104	109
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-14250/5-A

Matrix: Solid

Analysis Batch: 14251

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14250

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 07:34	12/08/21 11:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 07:34	12/08/21 11:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 07:34	12/08/21 11:27	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 07:34	12/08/21 11:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 07:34	12/08/21 11:27	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 07:34	12/08/21 11:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/08/21 07:34	12/08/21 11:27	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/08/21 07:34	12/08/21 11:27	1

Lab Sample ID: MB 880-14252/5-A

Matrix: Solid

Analysis Batch: 14253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14252

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:17	12/08/21 13:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:17	12/08/21 13:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:17	12/08/21 13:06	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 10:17	12/08/21 13:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:17	12/08/21 13:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 10:17	12/08/21 13:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/08/21 10:17	12/08/21 13:06	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/08/21 10:17	12/08/21 13:06	1

Lab Sample ID: MB 880-14273/5-A

Matrix: Solid

Analysis Batch: 14251

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14273

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/08/21 22:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/08/21 22:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/08/21 22:18	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 10:21	12/08/21 22:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:21	12/08/21 22:18	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 10:21	12/08/21 22:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/08/21 10:21	12/08/21 22:18	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/08/21 10:21	12/08/21 22:18	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

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

Lab Sample ID: LCS 880-14273/1-A

Matrix: Solid

Analysis Batch: 14251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07167		mg/Kg		72	70 - 130
Toluene	0.100	0.07530		mg/Kg		75	70 - 130
Ethylbenzene	0.100	0.08603		mg/Kg		86	70 - 130
m,p-Xylenes	0.200	0.1795		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09064		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130
1,4-Difluorobenzene (Surr)	163	S1+	70 - 130

Lab Sample ID: LCSD 880-14273/2-A

Matrix: Solid

Analysis Batch: 14251

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14273

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08252		mg/Kg		83	70 - 130	14	35
Toluene	0.100	0.09017		mg/Kg		90	70 - 130	18	35
Ethylbenzene	0.100	0.1010		mg/Kg		101	70 - 130	16	35
m,p-Xylenes	0.200	0.2086		mg/Kg		104	70 - 130	15	35
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130	18	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130
1,4-Difluorobenzene (Surr)	151	S1+	70 - 130

Lab Sample ID: 880-9100-1 MS

Matrix: Solid

Analysis Batch: 14251

Client Sample ID: PB-7,1'

Prep Type: Total/NA

Prep Batch: 14273

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1	0.0998	0.05637	F1	mg/Kg		56	70 - 130
Toluene	<0.00199	U F1	0.0998	0.05849	F1	mg/Kg		58	70 - 130
Ethylbenzene	<0.00199	U F1	0.0998	0.05626	F1	mg/Kg		56	70 - 130
m,p-Xylenes	<0.00398	U F1	0.200	0.1200	F1	mg/Kg		60	70 - 130
o-Xylene	<0.00199	U F1	0.0998	0.05775	F1	mg/Kg		58	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-9100-1 MSD

Matrix: Solid

Analysis Batch: 14251

Client Sample ID: PB-7,1'

Prep Type: Total/NA

Prep Batch: 14273

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.07090		mg/Kg		70	70 - 130	23	35
Toluene	<0.00199	U F1	0.100	0.06809	F1	mg/Kg		67	70 - 130	15	35
Ethylbenzene	<0.00199	U F1	0.100	0.06729	F1	mg/Kg		67	70 - 130	18	35

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

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

Lab Sample ID: 880-9100-1 MSD

Matrix: Solid

Analysis Batch: 14251

Client Sample ID: PB-7,1'

Prep Type: Total/NA

Prep Batch: 14273

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m,p-Xylenes	<0.00398	U F1	0.201	0.1375	F1	mg/Kg		68	70 - 130	14	35
o-Xylene	<0.00199	U F1	0.100	0.06824	F1	mg/Kg		68	70 - 130	17	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	112		70 - 130								
1,4-Difluorobenzene (Surr)	104		70 - 130								

Lab Sample ID: MB 880-14274/5-A

Matrix: Solid

Analysis Batch: 14253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14274

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 00:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 00:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 00:44	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 10:23	12/09/21 00:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:23	12/09/21 00:44	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 10:23	12/09/21 00:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			12/08/21 10:23	12/09/21 00:44	1
1,4-Difluorobenzene (Surr)	96		70 - 130			12/08/21 10:23	12/09/21 00:44	1

Lab Sample ID: LCS 880-14274/1-A

Matrix: Solid

Analysis Batch: 14253

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14274

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Benzene	0.100	0.07007		mg/Kg		70	70 - 130	
Toluene	0.100	0.07047		mg/Kg		70	70 - 130	
Ethylbenzene	0.100	0.07883		mg/Kg		79	70 - 130	
m,p-Xylenes	0.200	0.1760		mg/Kg		88	70 - 130	
o-Xylene	0.100	0.07529		mg/Kg		75	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	117		70 - 130					
1,4-Difluorobenzene (Surr)	104		70 - 130					

Lab Sample ID: LCSD 880-14274/2-A

Matrix: Solid

Analysis Batch: 14253

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14274

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08159		mg/Kg		82	70 - 130	15	35
Toluene	0.100	0.07108		mg/Kg		71	70 - 130	1	35
Ethylbenzene	0.100	0.07767		mg/Kg		78	70 - 130	1	35
m,p-Xylenes	0.200	0.2086		mg/Kg		104	70 - 130	17	35
o-Xylene	0.100	0.07711		mg/Kg		77	70 - 130	2	35

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-9100-21 MS

Matrix: Solid

Analysis Batch: 14253

Client Sample ID: PB-1,3'

Prep Type: Total/NA

Prep Batch: 14274

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1	0.101	0.02717	F1	mg/Kg		27	70 - 130
Toluene	<0.00199	U F1	0.101	0.03106	F1	mg/Kg		31	70 - 130
Ethylbenzene	<0.00199	U F1	0.101	0.03684	F1	mg/Kg		36	70 - 130
m,p-Xylenes	<0.00398	U F1	0.202	0.07101	F1	mg/Kg		35	70 - 130
o-Xylene	<0.00199	U F1	0.101	0.03283	F1	mg/Kg		32	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-9100-21 MSD

Matrix: Solid

Analysis Batch: 14253

Client Sample ID: PB-1,3'

Prep Type: Total/NA

Prep Batch: 14274

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.03341	F1	mg/Kg		33	70 - 130	21	35
Toluene	<0.00199	U F1	0.100	0.03282	F1	mg/Kg		33	70 - 130	6	35
Ethylbenzene	<0.00199	U F1	0.100	0.05194	F1	mg/Kg		52	70 - 130	34	35
m,p-Xylenes	<0.00398	U F1	0.200	0.08554	F1	mg/Kg		43	70 - 130	19	35
o-Xylene	<0.00199	U F1	0.100	0.04291	F1	mg/Kg		43	70 - 130	27	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-14280/5-A

Matrix: Solid

Analysis Batch: 14330

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14280

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/09/21 22:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/09/21 22:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/09/21 22:42	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/21 10:37	12/09/21 22:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/21 10:37	12/09/21 22:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/21 10:37	12/09/21 22:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/08/21 10:37	12/09/21 22:42	1
1,4-Difluorobenzene (Surr)	80		70 - 130	12/08/21 10:37	12/09/21 22:42	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

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

Lab Sample ID: LCS 880-14280/1-A

Matrix: Solid

Analysis Batch: 14330

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14280

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09526		mg/Kg		95	70 - 130
Toluene	0.100	0.09237		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08805		mg/Kg		88	70 - 130
m,p-Xylenes	0.200	0.1858		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09136		mg/Kg		91	70 - 130

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

Lab Sample ID: LCSD 880-14280/2-A

Matrix: Solid

Analysis Batch: 14330

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14280

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09510		mg/Kg					
Toluene	0.100	0.09131		mg/Kg					
Ethylbenzene	0.100	0.08775		mg/Kg					
m,p-Xylenes	0.200	0.1875		mg/Kg					
o-Xylene	0.100	0.08973		mg/Kg					

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: 880-9100-41 MS

Matrix: Solid

Analysis Batch: 14330

Client Sample ID: PB-4,3'

Prep Type: Total/NA

Prep Batch: 14280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.101	0.07732		mg/Kg		77	70 - 130
Toluene	<0.00199	U F1	0.101	0.07365		mg/Kg		72	70 - 130
Ethylbenzene	<0.00199	U *- F1 *1	0.101	0.07009	F1	mg/Kg		69	70 - 130
m,p-Xylenes	<0.00398	U F1	0.202	0.1468		mg/Kg		73	70 - 130
o-Xylene	<0.00199	U F1	0.101	0.06825	F1	mg/Kg		67	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-9100-41 MSD

Matrix: Solid

Analysis Batch: 14330

Client Sample ID: PB-4,3'

Prep Type: Total/NA

Prep Batch: 14280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.07366		mg/Kg		73	70 - 130	5	35
Toluene	<0.00199	U F1	0.101	0.06732	F1	mg/Kg		66	70 - 130	9	35
Ethylbenzene	<0.00199	U *- F1 *1	0.101	0.06493	F1	mg/Kg		64	70 - 130	8	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

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

Lab Sample ID: 880-9100-41 MSD

Matrix: Solid

Analysis Batch: 14330

Client Sample ID: PB-4,3'

Prep Type: Total/NA

Prep Batch: 14280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m,p-Xylenes	<0.00398	U F1	0.202	0.1374	F1	mg/Kg		68	70 - 130	7	35
o-Xylene	<0.00199	U F1	0.101	0.06629	F1	mg/Kg		65	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	109		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

Lab Sample ID: MB 880-14294/5-A

Matrix: Solid

Analysis Batch: 14330

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14294

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/09/21 07:30	12/09/21 10:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/09/21 07:30	12/09/21 10:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/09/21 07:30	12/09/21 10:56	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/09/21 07:30	12/09/21 10:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/09/21 07:30	12/09/21 10:56	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/09/21 07:30	12/09/21 10:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			12/09/21 07:30	12/09/21 10:56	1
1,4-Difluorobenzene (Surr)	124		70 - 130			12/09/21 07:30	12/09/21 10:56	1

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

Lab Sample ID: MB 880-14331/1-A

Matrix: Solid

Analysis Batch: 14325

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14331

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		12/09/21 08:34	12/09/21 11:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 11:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 08:34	12/09/21 11:07	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			12/09/21 08:34	12/09/21 11:07	1
o-Terphenyl (Surr)	101		70 - 130			12/09/21 08:34	12/09/21 11:07	1

Lab Sample ID: LCS 880-14331/2-A

Matrix: Solid

Analysis Batch: 14325

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1021		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1022		mg/Kg		102	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

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

Lab Sample ID: LCS 880-14331/2-A

Matrix: Solid

Analysis Batch: 14325

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14331

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-14331/3-A

Matrix: Solid

Analysis Batch: 14325

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14331

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1062		mg/Kg		106	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1038		mg/Kg		104	70 - 130	2	20
Surrogate		LCSD	LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	125		70 - 130								
o-Terphenyl (Surr)	127		70 - 130								

Lab Sample ID: 880-9100-41 MS

Matrix: Solid

Analysis Batch: 14325

Client Sample ID: PB-4,3'

Prep Type: Total/NA

Prep Batch: 14331

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	997	1137		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	1159		mg/Kg		116	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	95		70 - 130								
o-Terphenyl (Surr)	85		70 - 130								

Lab Sample ID: 880-9100-41 MSD

Matrix: Solid

Analysis Batch: 14325

Client Sample ID: PB-4,3'

Prep Type: Total/NA

Prep Batch: 14331

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	1312	F1	mg/Kg		131	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	1388	F1	mg/Kg		139	70 - 130	18	20
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	108		70 - 130								
o-Terphenyl (Surr)	110		70 - 130								

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

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

Lab Sample ID: MB 880-14376/1-A

Matrix: Solid

Analysis Batch: 14554

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14376

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		12/09/21 13:11	12/11/21 10:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 10:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 13:11	12/11/21 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	12/09/21 13:11	12/11/21 10:48	1
o-Terphenyl (Surr)	117		70 - 130	12/09/21 13:11	12/11/21 10:48	1

Lab Sample ID: LCS 880-14376/2-A

Matrix: Solid

Analysis Batch: 14554

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	814.0		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	828.6		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	86		70 - 130
o-Terphenyl (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-14376/3-A

Matrix: Solid

Analysis Batch: 14554

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14376

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	797.1		mg/Kg		80	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	810.4		mg/Kg		81	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	109		70 - 130

Lab Sample ID: 880-9100-1 MS

Matrix: Solid

Analysis Batch: 14554

Client Sample ID: PB-7,1'

Prep Type: Total/NA

Prep Batch: 14376

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	997	1247		mg/Kg		123	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1262		mg/Kg		127	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

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

Lab Sample ID: 880-9100-1 MS

Matrix: Solid

Analysis Batch: 14554

Client Sample ID: PB-7,1'

Prep Type: Total/NA

Prep Batch: 14376

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	83		70 - 130

Lab Sample ID: 880-9100-1 MSD

Matrix: Solid

Analysis Batch: 14554

Client Sample ID: PB-7,1'

Prep Type: Total/NA

Prep Batch: 14376

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	1345	F1	mg/Kg		132	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1261		mg/Kg		126	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	83		70 - 130

Lab Sample ID: MB 880-14403/1-A

Matrix: Solid

Analysis Batch: 14436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14403

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		12/09/21 16:16	12/10/21 10:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 10:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/21 16:16	12/10/21 10:47	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	86		70 - 130	12/09/21 16:16	12/10/21 10:47	1
o-Terphenyl (Surr)	103		70 - 130	12/09/21 16:16	12/10/21 10:47	1

Lab Sample ID: LCS 880-14403/2-A

Matrix: Solid

Analysis Batch: 14436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1012		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1081		mg/Kg		108	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

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

Lab Sample ID: LCSD 880-14403/3-A

Matrix: Solid

Analysis Batch: 14436

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14403

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	903.9		mg/Kg		90	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	931.4		mg/Kg		93	70 - 130	15	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	93		70 - 130						
o-Terphenyl (Surr)	100		70 - 130						

Lab Sample ID: 880-9100-21 MS

Matrix: Solid

Analysis Batch: 14436

Client Sample ID: PB-1,3'

Prep Type: Total/NA

Prep Batch: 14403

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	997	1369	F1	mg/Kg		136	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1222		mg/Kg		121	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	89		70 - 130								
o-Terphenyl (Surr)	88		70 - 130								

Lab Sample ID: 880-9100-21 MSD

Matrix: Solid

Analysis Batch: 14436

Client Sample ID: PB-1,3'

Prep Type: Total/NA

Prep Batch: 14403

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	1520	F1	mg/Kg		150	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1298		mg/Kg		128	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	95		70 - 130								
o-Terphenyl (Surr)	93		70 - 130								

Lab Sample ID: MB 880-14448/1-A

Matrix: Solid

Analysis Batch: 14439

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14448

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		12/10/21 08:36	12/10/21 10:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/10/21 08:36	12/10/21 10:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/10/21 08:36	12/10/21 10:53	1

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

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

Lab Sample ID: MB 880-14448/1-A

Matrix: Solid

Analysis Batch: 14439

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14448

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	12/10/21 08:36	12/10/21 10:53	1
o-Terphenyl (Surr)	109		70 - 130	12/10/21 08:36	12/10/21 10:53	1

Lab Sample ID: LCS 880-14448/2-A

Matrix: Solid

Analysis Batch: 14439

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14448

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	938.5		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1010		mg/Kg		101	70 - 130		

	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	106		70 - 130			
o-Terphenyl (Surr)	111		70 - 130			

Lab Sample ID: LCSD 880-14448/3-A

Matrix: Solid

Analysis Batch: 14439

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14448

			Spike	LCSD	LCSD				%Rec.		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	877.6		mg/Kg		88	70 - 130	7	20	
Diesel Range Organics (Over C10-C28)			1000	997.9		mg/Kg		100	70 - 130	1	20	

	LCSD	LCSD				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	117		70 - 130			
o-Terphenyl (Surr)	121		70 - 130			

Lab Sample ID: 890-1686-A-1-G MS

Matrix: Solid

Analysis Batch: 14439

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 14448

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1169		mg/Kg		116	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1285		mg/Kg		129	70 - 130		

	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	93		70 - 130			
o-Terphenyl (Surr)	91		70 - 130			

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

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

Lab Sample ID: 890-1686-A-1-H MSD

Matrix: Solid

Analysis Batch: 14439

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 14448

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1182		mg/Kg		117	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1291		mg/Kg		129	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	89		70 - 130								
o-Terphenyl (Surr)	92		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-14384/1-A

Matrix: Solid

Analysis Batch: 14419

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			12/10/21 14:06	1

Lab Sample ID: LCS 880-14384/2-A

Matrix: Solid

Analysis Batch: 14419

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	271.7		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-14384/3-A

Matrix: Solid

Analysis Batch: 14419

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	273.8		mg/Kg		110	90 - 110	1	20

Lab Sample ID: 880-9100-14 MS

Matrix: Solid

Analysis Batch: 14419

Client Sample ID: S-10, 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	124	F1	250	474.2	F1	mg/Kg		141	90 - 110

Lab Sample ID: 880-9100-14 MSD

Matrix: Solid

Analysis Batch: 14419

Client Sample ID: S-10, 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	124	F1	250	415.9	F1	mg/Kg		117	90 - 110	13	20

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-14387/1-A

Matrix: Solid

Analysis Batch: 14570

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			12/12/21 17:46	1

Lab Sample ID: LCS 880-14387/2-A

Matrix: Solid

Analysis Batch: 14570

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	242.7		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-14387/3-A

Matrix: Solid

Analysis Batch: 14570

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	241.7		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-9100-18 MS

Matrix: Solid

Analysis Batch: 14570

Client Sample ID: PB-6,5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	136	F1	125	1377	F1	mg/Kg		995	90 - 110

Lab Sample ID: 880-9100-18 MSD

Matrix: Solid

Analysis Batch: 14570

Client Sample ID: PB-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	136	F1	125	1384	F1	mg/Kg		1000	90 - 110	0	20

Lab Sample ID: 880-9100-29 MS

Matrix: Solid

Analysis Batch: 14570

Client Sample ID: PB-3, 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	123		24.9	432.6	4	mg/Kg		1243	90 - 110

Lab Sample ID: 880-9100-29 MSD

Matrix: Solid

Analysis Batch: 14570

Client Sample ID: PB-3, 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	123		24.9	380.5	4	mg/Kg		1034	90 - 110	13	20

Lab Sample ID: MB 880-14411/1-A

Matrix: Solid

Analysis Batch: 14572

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			12/12/21 15:04	1

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-14411/2-A

Matrix: Solid

Analysis Batch: 14572

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	260.6		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-14411/3-A

Matrix: Solid

Analysis Batch: 14572

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	264.2		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 880-9100-1 MS

Matrix: Solid

Analysis Batch: 14572

Client Sample ID: PB-7,1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	297		250	554.2		mg/Kg		103	90 - 110

Lab Sample ID: 880-9100-1 MSD

Matrix: Solid

Analysis Batch: 14572

Client Sample ID: PB-7,1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	297		250	557.7		mg/Kg		105	90 - 110	1	20

Lab Sample ID: MB 880-14490/1-A

Matrix: Solid

Analysis Batch: 14575

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			12/13/21 03:11	1

Lab Sample ID: LCS 880-14490/2-A

Matrix: Solid

Analysis Batch: 14575

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	265.0		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-14490/3-A

Matrix: Solid

Analysis Batch: 14575

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	248	263.1		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 880-9100-7 MS

Matrix: Solid

Analysis Batch: 14575

Client Sample ID: S-11, 10'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	296	F1	248	572.1	F1	mg/Kg		112	90 - 110

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-9100-7 MSD

Matrix: Solid

Analysis Batch: 14575

Client Sample ID: S-11, 10'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	296	F1	250	577.8	F1	mg/Kg		113	90 - 110	1	20

Lab Sample ID: 880-9100-42 MS

Matrix: Solid

Analysis Batch: 14575

Client Sample ID: PB-4,5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	106	F1	1240	1544	F1	mg/Kg		116	90 - 110		

Lab Sample ID: 880-9100-42 MSD

Matrix: Solid

Analysis Batch: 14575

Client Sample ID: PB-4,5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	106	F1	1240	1559	F1	mg/Kg		117	90 - 110	1	20

Lab Sample ID: MB 880-14492/1-A

Matrix: Solid

Analysis Batch: 14576

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			12/13/21 07:04	1

Lab Sample ID: LCS 880-14492/2-A

Matrix: Solid

Analysis Batch: 14576

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	267.1		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-14492/3-A

Matrix: Solid

Analysis Batch: 14576

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	248	263.0		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 880-9100-51 MS

Matrix: Solid

Analysis Batch: 14576

Client Sample ID: PB-9,10'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	148	F1	248	428.3	F1	mg/Kg		113	90 - 110		

Lab Sample ID: 880-9100-51 MSD

Matrix: Solid

Analysis Batch: 14576

Client Sample ID: PB-9,10'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	148	F1	253	438.3	F1	mg/Kg		115	90 - 110	2	20

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-14497/1-A

Matrix: Solid

Analysis Batch: 14765

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			12/13/21 20:28	1

Lab Sample ID: LCS 880-14497/2-A

Matrix: Solid

Analysis Batch: 14765

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	260.9		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-14497/3-A

Matrix: Solid

Analysis Batch: 14765

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	263.4		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 880-9100-4 MS

Matrix: Solid

Analysis Batch: 14765

Client Sample ID: S-11, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	460		250	732.3		mg/Kg		109	90 - 110

Lab Sample ID: 880-9100-4 MSD

Matrix: Solid

Analysis Batch: 14765

Client Sample ID: S-11, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	460		250	731.7		mg/Kg		109	90 - 110	0	20

Lab Sample ID: MB 880-14940/1-A

Matrix: Solid

Analysis Batch: 14980

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			12/16/21 15:44	1

Lab Sample ID: LCS 880-14940/2-A

Matrix: Solid

Analysis Batch: 14980

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	254.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-14940/3-A

Matrix: Solid

Analysis Batch: 14980

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	254.0		mg/Kg		102	90 - 110	0	20

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-9404-A-23-C MS										Client Sample ID: Matrix Spike			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 14980													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits				
Chloride	22.3		250	273.0		mg/Kg		100	90 - 110				

Lab Sample ID: 880-9404-A-23-D MSD										Client Sample ID: Matrix Spike Duplicate			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 14980													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit		
Chloride	22.3		250	273.9		mg/Kg		101	90 - 110	0	20		

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

GC VOA

Prep Batch: 14250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-14250/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 14251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-1	PB-7, 1'	Total/NA	Solid	8021B	14273
880-9100-2	PB-7, 3'	Total/NA	Solid	8021B	14273
880-9100-3	PB-7, 5'	Total/NA	Solid	8021B	14273
880-9100-4	S-11, 1'	Total/NA	Solid	8021B	14273
880-9100-5	S-11, 3'	Total/NA	Solid	8021B	14273
880-9100-6	S-11, 5'	Total/NA	Solid	8021B	14273
880-9100-7	S-11, 10'	Total/NA	Solid	8021B	14273
880-9100-8	PB-2, 1	Total/NA	Solid	8021B	14273
880-9100-9	PB-2, 3'	Total/NA	Solid	8021B	14273
880-9100-10	PB-2, 5'	Total/NA	Solid	8021B	14273
880-9100-11	PB-2, 10'	Total/NA	Solid	8021B	14273
880-9100-12	S-10, 1'	Total/NA	Solid	8021B	14273
880-9100-13	S-10, 3'	Total/NA	Solid	8021B	14273
880-9100-14	S-10, 5'	Total/NA	Solid	8021B	14273
880-9100-15	S-10, 10'	Total/NA	Solid	8021B	14273
880-9100-16	PB-6, 1'	Total/NA	Solid	8021B	14273
880-9100-17	PB-6, 3'	Total/NA	Solid	8021B	14273
880-9100-18	PB-6, 5'	Total/NA	Solid	8021B	14273
880-9100-20	PB-1, 1'	Total/NA	Solid	8021B	14273
MB 880-14250/5-A	Method Blank	Total/NA	Solid	8021B	14250
MB 880-14273/5-A	Method Blank	Total/NA	Solid	8021B	14273
LCS 880-14273/1-A	Lab Control Sample	Total/NA	Solid	8021B	14273
LCSD 880-14273/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	14273
880-9100-1 MS	PB-7, 1'	Total/NA	Solid	8021B	14273
880-9100-1 MSD	PB-7, 1'	Total/NA	Solid	8021B	14273

Prep Batch: 14252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-14252/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 14253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-21	PB-1, 3'	Total/NA	Solid	8021B	14274
880-9100-22	PB-1, 5'	Total/NA	Solid	8021B	14274
880-9100-23	PB-1, 10'	Total/NA	Solid	8021B	14274
880-9100-24	S-7, 1'	Total/NA	Solid	8021B	14274
880-9100-25	S-7, 3'	Total/NA	Solid	8021B	14274
880-9100-26	S-7, 5'	Total/NA	Solid	8021B	14274
880-9100-27	S-7, 10'	Total/NA	Solid	8021B	14274
880-9100-28	PB-3, 1'	Total/NA	Solid	8021B	14274
880-9100-29	PB-3, 3'	Total/NA	Solid	8021B	14274
880-9100-30	PB-3, 5'	Total/NA	Solid	8021B	14274
880-9100-31	PB-3, 10'	Total/NA	Solid	8021B	14274
880-9100-32	PB-8, 1'	Total/NA	Solid	8021B	14274
880-9100-33	PB-8, 3'	Total/NA	Solid	8021B	14274
880-9100-34	PB-8, 5'	Total/NA	Solid	8021B	14274
880-9100-35	PB-8, 10'	Total/NA	Solid	8021B	14274

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

GC VOA (Continued)

Analysis Batch: 14253 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-36	S-6,1'	Total/NA	Solid	8021B	14274
880-9100-37	S-6,3'	Total/NA	Solid	8021B	14274
880-9100-38	S-6,5'	Total/NA	Solid	8021B	14274
880-9100-39	S-6,10'	Total/NA	Solid	8021B	14274
880-9100-40	PB-4,1'	Total/NA	Solid	8021B	14274
MB 880-14252/5-A	Method Blank	Total/NA	Solid	8021B	14252
MB 880-14274/5-A	Method Blank	Total/NA	Solid	8021B	14274
LCS 880-14274/1-A	Lab Control Sample	Total/NA	Solid	8021B	14274
LCSD 880-14274/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	14274
880-9100-21 MS	PB-1,3'	Total/NA	Solid	8021B	14274
880-9100-21 MSD	PB-1,3'	Total/NA	Solid	8021B	14274

Prep Batch: 14273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-1	PB-7,1'	Total/NA	Solid	5035	
880-9100-2	PB-7,3'	Total/NA	Solid	5035	
880-9100-3	PB-7,5'	Total/NA	Solid	5035	
880-9100-4	S-11, 1'	Total/NA	Solid	5035	
880-9100-5	S-11, 3'	Total/NA	Solid	5035	
880-9100-6	S-11, 5'	Total/NA	Solid	5035	
880-9100-7	S-11, 10'	Total/NA	Solid	5035	
880-9100-8	PB-2, 1	Total/NA	Solid	5035	
880-9100-9	PB-2, 3'	Total/NA	Solid	5035	
880-9100-10	PB-2, 5'	Total/NA	Solid	5035	
880-9100-11	PB-2, 10'	Total/NA	Solid	5035	
880-9100-12	S-10, 1'	Total/NA	Solid	5035	
880-9100-13	S-10, 3'	Total/NA	Solid	5035	
880-9100-14	S-10, 5'	Total/NA	Solid	5035	
880-9100-15	S-10, 10'	Total/NA	Solid	5035	
880-9100-16	PB-6,1'	Total/NA	Solid	5035	
880-9100-17	PB-6,3'	Total/NA	Solid	5035	
880-9100-18	PB-6,5'	Total/NA	Solid	5035	
880-9100-20	PB-1,1'	Total/NA	Solid	5035	
MB 880-14273/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-14273/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-14273/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9100-1 MS	PB-7,1'	Total/NA	Solid	5035	
880-9100-1 MSD	PB-7,1'	Total/NA	Solid	5035	

Prep Batch: 14274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-21	PB-1,3'	Total/NA	Solid	5035	
880-9100-22	PB-1,5'	Total/NA	Solid	5035	
880-9100-23	PB-1,10'	Total/NA	Solid	5035	
880-9100-24	S-7,1'	Total/NA	Solid	5035	
880-9100-25	S-7,3'	Total/NA	Solid	5035	
880-9100-26	S-7,5'	Total/NA	Solid	5035	
880-9100-27	S-7,10'	Total/NA	Solid	5035	
880-9100-28	PB-3,1'	Total/NA	Solid	5035	
880-9100-29	PB-3, 3'	Total/NA	Solid	5035	
880-9100-30	PB-3, 5'	Total/NA	Solid	5035	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

GC VOA (Continued)

Prep Batch: 14274 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-31	PB-3,10'	Total/NA	Solid	5035	
880-9100-32	PB-8,1'	Total/NA	Solid	5035	
880-9100-33	PB-8,3'	Total/NA	Solid	5035	
880-9100-34	PB-8,5'	Total/NA	Solid	5035	
880-9100-35	PB-8,10'	Total/NA	Solid	5035	
880-9100-36	S-6,1'	Total/NA	Solid	5035	
880-9100-37	S-6,3'	Total/NA	Solid	5035	
880-9100-38	S-6,5'	Total/NA	Solid	5035	
880-9100-39	S-6,10'	Total/NA	Solid	5035	
880-9100-40	PB-4,1'	Total/NA	Solid	5035	
MB 880-14274/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-14274/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-14274/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9100-21 MS	PB-1,3'	Total/NA	Solid	5035	
880-9100-21 MSD	PB-1,3'	Total/NA	Solid	5035	

Prep Batch: 14280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-41	PB-4,3'	Total/NA	Solid	5035	
880-9100-42	PB-4,5'	Total/NA	Solid	5035	
880-9100-43	PB-4,10'	Total/NA	Solid	5035	
880-9100-44	S-9,1'	Total/NA	Solid	5035	
880-9100-45	S-9,3'	Total/NA	Solid	5035	
880-9100-46	S-9,5'	Total/NA	Solid	5035	
880-9100-47	S-9,10'	Total/NA	Solid	5035	
880-9100-48	PB-9,1'	Total/NA	Solid	5035	
880-9100-49	PB-9,3'	Total/NA	Solid	5035	
880-9100-50	PB-9,5'	Total/NA	Solid	5035	
880-9100-51	PB-9,10'	Total/NA	Solid	5035	
880-9100-52	PB-5,1'	Total/NA	Solid	5035	
880-9100-53	PB-5,3'	Total/NA	Solid	5035	
880-9100-54	PB-5,5'	Total/NA	Solid	5035	
880-9100-55	PB-5,10'	Total/NA	Solid	5035	
MB 880-14280/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-14280/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-14280/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9100-41 MS	PB-4,3'	Total/NA	Solid	5035	
880-9100-41 MSD	PB-4,3'	Total/NA	Solid	5035	

Prep Batch: 14294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-14294/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 14330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-41	PB-4,3'	Total/NA	Solid	8021B	14280
880-9100-42	PB-4,5'	Total/NA	Solid	8021B	14280
880-9100-43	PB-4,10'	Total/NA	Solid	8021B	14280
880-9100-44	S-9,1'	Total/NA	Solid	8021B	14280
880-9100-45	S-9,3'	Total/NA	Solid	8021B	14280
880-9100-46	S-9,5'	Total/NA	Solid	8021B	14280

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

GC VOA (Continued)

Analysis Batch: 14330 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-47	S-9,10'	Total/NA	Solid	8021B	14280
880-9100-48	PB-9,1'	Total/NA	Solid	8021B	14280
880-9100-49	PB-9,3'	Total/NA	Solid	8021B	14280
880-9100-50	PB-9,5'	Total/NA	Solid	8021B	14280
880-9100-51	PB-9,10'	Total/NA	Solid	8021B	14280
880-9100-52	PB-5,1'	Total/NA	Solid	8021B	14280
880-9100-53	PB-5,3'	Total/NA	Solid	8021B	14280
880-9100-54	PB-5,5'	Total/NA	Solid	8021B	14280
880-9100-55	PB-5,10'	Total/NA	Solid	8021B	14280
MB 880-14280/5-A	Method Blank	Total/NA	Solid	8021B	14280
MB 880-14294/5-A	Method Blank	Total/NA	Solid	8021B	14294
LCS 880-14280/1-A	Lab Control Sample	Total/NA	Solid	8021B	14280
LCSD 880-14280/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	14280
880-9100-41 MS	PB-4,3'	Total/NA	Solid	8021B	14280
880-9100-41 MSD	PB-4,3'	Total/NA	Solid	8021B	14280

Analysis Batch: 14353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-21	PB-1,3'	Total/NA	Solid	Total BTEX	

Analysis Batch: 14648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-1	PB-7,1'	Total/NA	Solid	Total BTEX	
880-9100-2	PB-7,3'	Total/NA	Solid	Total BTEX	
880-9100-3	PB-7,5'	Total/NA	Solid	Total BTEX	
880-9100-4	S-11, 1'	Total/NA	Solid	Total BTEX	
880-9100-5	S-11, 3'	Total/NA	Solid	Total BTEX	
880-9100-6	S-11, 5'	Total/NA	Solid	Total BTEX	
880-9100-7	S-11, 10'	Total/NA	Solid	Total BTEX	
880-9100-8	PB-2, 1	Total/NA	Solid	Total BTEX	
880-9100-9	PB-2, 3'	Total/NA	Solid	Total BTEX	
880-9100-10	PB-2, 5'	Total/NA	Solid	Total BTEX	
880-9100-11	PB-2, 10'	Total/NA	Solid	Total BTEX	
880-9100-12	S-10, 1'	Total/NA	Solid	Total BTEX	
880-9100-13	S-10, 3'	Total/NA	Solid	Total BTEX	
880-9100-14	S-10, 5'	Total/NA	Solid	Total BTEX	
880-9100-15	S-10, 10'	Total/NA	Solid	Total BTEX	
880-9100-16	PB-6,1'	Total/NA	Solid	Total BTEX	
880-9100-17	PB-6,3'	Total/NA	Solid	Total BTEX	
880-9100-18	PB-6,5'	Total/NA	Solid	Total BTEX	
880-9100-20	PB-1,1'	Total/NA	Solid	Total BTEX	
880-9100-22	PB-1,5'	Total/NA	Solid	Total BTEX	
880-9100-23	PB-1,10'	Total/NA	Solid	Total BTEX	
880-9100-24	S-7,1'	Total/NA	Solid	Total BTEX	
880-9100-25	S-7,3'	Total/NA	Solid	Total BTEX	
880-9100-26	S-7,5'	Total/NA	Solid	Total BTEX	
880-9100-27	S-7,10'	Total/NA	Solid	Total BTEX	
880-9100-28	PB-3,1'	Total/NA	Solid	Total BTEX	
880-9100-29	PB-3, 3'	Total/NA	Solid	Total BTEX	
880-9100-30	PB-3, 5'	Total/NA	Solid	Total BTEX	
880-9100-31	PB-3,10'	Total/NA	Solid	Total BTEX	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

GC VOA (Continued)

Analysis Batch: 14648 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-32	PB-8,1'	Total/NA	Solid	Total BTEX	
880-9100-33	PB-8,3'	Total/NA	Solid	Total BTEX	
880-9100-34	PB-8,5'	Total/NA	Solid	Total BTEX	
880-9100-35	PB-8,10'	Total/NA	Solid	Total BTEX	
880-9100-36	S-6,1'	Total/NA	Solid	Total BTEX	
880-9100-37	S-6,3'	Total/NA	Solid	Total BTEX	
880-9100-38	S-6,5'	Total/NA	Solid	Total BTEX	
880-9100-39	S-6,10'	Total/NA	Solid	Total BTEX	
880-9100-40	PB-4,1'	Total/NA	Solid	Total BTEX	
880-9100-41	PB-4,3'	Total/NA	Solid	Total BTEX	
880-9100-42	PB-4,5'	Total/NA	Solid	Total BTEX	
880-9100-43	PB-4,10'	Total/NA	Solid	Total BTEX	
880-9100-44	S-9,1'	Total/NA	Solid	Total BTEX	
880-9100-45	S-9,3'	Total/NA	Solid	Total BTEX	
880-9100-46	S-9,5'	Total/NA	Solid	Total BTEX	
880-9100-47	S-9,10'	Total/NA	Solid	Total BTEX	
880-9100-48	PB-9,1'	Total/NA	Solid	Total BTEX	
880-9100-49	PB-9,3'	Total/NA	Solid	Total BTEX	
880-9100-50	PB-9,5'	Total/NA	Solid	Total BTEX	
880-9100-51	PB-9,10'	Total/NA	Solid	Total BTEX	
880-9100-52	PB-5,1'	Total/NA	Solid	Total BTEX	
880-9100-53	PB-5,3'	Total/NA	Solid	Total BTEX	
880-9100-54	PB-5,5'	Total/NA	Solid	Total BTEX	
880-9100-55	PB-5,10'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 14325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-41	PB-4,3'	Total/NA	Solid	8015B NM	14331
880-9100-42	PB-4,5'	Total/NA	Solid	8015B NM	14331
880-9100-43	PB-4,10'	Total/NA	Solid	8015B NM	14331
880-9100-44	S-9,1'	Total/NA	Solid	8015B NM	14331
880-9100-45	S-9,3'	Total/NA	Solid	8015B NM	14331
880-9100-46	S-9,5'	Total/NA	Solid	8015B NM	14331
880-9100-47	S-9,10'	Total/NA	Solid	8015B NM	14331
880-9100-48	PB-9,1'	Total/NA	Solid	8015B NM	14331
880-9100-49	PB-9,3'	Total/NA	Solid	8015B NM	14331
880-9100-50	PB-9,5'	Total/NA	Solid	8015B NM	14331
880-9100-51	PB-9,10'	Total/NA	Solid	8015B NM	14331
MB 880-14331/1-A	Method Blank	Total/NA	Solid	8015B NM	14331
LCS 880-14331/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14331
LCSD 880-14331/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14331
880-9100-41 MS	PB-4,3'	Total/NA	Solid	8015B NM	14331
880-9100-41 MSD	PB-4,3'	Total/NA	Solid	8015B NM	14331

Prep Batch: 14331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-41	PB-4,3'	Total/NA	Solid	8015NM Prep	
880-9100-42	PB-4,5'	Total/NA	Solid	8015NM Prep	
880-9100-43	PB-4,10'	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

GC Semi VOA (Continued)

Prep Batch: 14331 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-44	S-9,1'	Total/NA	Solid	8015NM Prep	
880-9100-45	S-9,3'	Total/NA	Solid	8015NM Prep	
880-9100-46	S-9,5'	Total/NA	Solid	8015NM Prep	
880-9100-47	S-9,10'	Total/NA	Solid	8015NM Prep	
880-9100-48	PB-9,1'	Total/NA	Solid	8015NM Prep	
880-9100-49	PB-9,3'	Total/NA	Solid	8015NM Prep	
880-9100-50	PB-9,5'	Total/NA	Solid	8015NM Prep	
880-9100-51	PB-9,10'	Total/NA	Solid	8015NM Prep	
MB 880-14331/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14331/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14331/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9100-41 MS	PB-4,3'	Total/NA	Solid	8015NM Prep	
880-9100-41 MSD	PB-4,3'	Total/NA	Solid	8015NM Prep	

Prep Batch: 14376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-1	PB-7,1'	Total/NA	Solid	8015NM Prep	
880-9100-2	PB-7,3'	Total/NA	Solid	8015NM Prep	
880-9100-3	PB-7,5'	Total/NA	Solid	8015NM Prep	
880-9100-4	S-11, 1'	Total/NA	Solid	8015NM Prep	
880-9100-5	S-11, 3'	Total/NA	Solid	8015NM Prep	
880-9100-6	S-11, 5'	Total/NA	Solid	8015NM Prep	
880-9100-7	S-11, 10'	Total/NA	Solid	8015NM Prep	
880-9100-8	PB-2, 1	Total/NA	Solid	8015NM Prep	
880-9100-9	PB-2, 3'	Total/NA	Solid	8015NM Prep	
880-9100-10	PB-2, 5'	Total/NA	Solid	8015NM Prep	
880-9100-11	PB-2, 10'	Total/NA	Solid	8015NM Prep	
880-9100-12	S-10, 1'	Total/NA	Solid	8015NM Prep	
880-9100-13	S-10, 3'	Total/NA	Solid	8015NM Prep	
880-9100-14	S-10, 5'	Total/NA	Solid	8015NM Prep	
880-9100-15	S-10, 10'	Total/NA	Solid	8015NM Prep	
880-9100-16	PB-6,1'	Total/NA	Solid	8015NM Prep	
880-9100-17	PB-6,3'	Total/NA	Solid	8015NM Prep	
880-9100-18	PB-6,5'	Total/NA	Solid	8015NM Prep	
880-9100-20	PB-1,1'	Total/NA	Solid	8015NM Prep	
880-9100-55	PB-5,10'	Total/NA	Solid	8015NM Prep	
MB 880-14376/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14376/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9100-1 MS	PB-7,1'	Total/NA	Solid	8015NM Prep	
880-9100-1 MSD	PB-7,1'	Total/NA	Solid	8015NM Prep	

Prep Batch: 14403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-21	PB-1,3'	Total/NA	Solid	8015NM Prep	
880-9100-22	PB-1,5'	Total/NA	Solid	8015NM Prep	
880-9100-23	PB-1,10'	Total/NA	Solid	8015NM Prep	
880-9100-24	S-7,1'	Total/NA	Solid	8015NM Prep	
880-9100-25	S-7,3'	Total/NA	Solid	8015NM Prep	
880-9100-26	S-7,5'	Total/NA	Solid	8015NM Prep	
880-9100-27	S-7,10'	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

GC Semi VOA (Continued)

Prep Batch: 14403 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-28	PB-3, 1'	Total/NA	Solid	8015NM Prep	
880-9100-29	PB-3, 3'	Total/NA	Solid	8015NM Prep	
880-9100-30	PB-3, 5'	Total/NA	Solid	8015NM Prep	
880-9100-31	PB-3, 10'	Total/NA	Solid	8015NM Prep	
880-9100-32	PB-8, 1'	Total/NA	Solid	8015NM Prep	
880-9100-33	PB-8, 3'	Total/NA	Solid	8015NM Prep	
880-9100-34	PB-8, 5'	Total/NA	Solid	8015NM Prep	
880-9100-35	PB-8, 10'	Total/NA	Solid	8015NM Prep	
880-9100-36	S-6, 1'	Total/NA	Solid	8015NM Prep	
880-9100-37	S-6, 3'	Total/NA	Solid	8015NM Prep	
880-9100-38	S-6, 5'	Total/NA	Solid	8015NM Prep	
880-9100-39	S-6, 10'	Total/NA	Solid	8015NM Prep	
880-9100-40	PB-4, 1'	Total/NA	Solid	8015NM Prep	
MB 880-14403/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14403/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14403/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9100-21 MS	PB-1, 3'	Total/NA	Solid	8015NM Prep	
880-9100-21 MSD	PB-1, 3'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 14436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-21	PB-1, 3'	Total/NA	Solid	8015B NM	14403
880-9100-22	PB-1, 5'	Total/NA	Solid	8015B NM	14403
880-9100-23	PB-1, 10'	Total/NA	Solid	8015B NM	14403
880-9100-24	S-7, 1'	Total/NA	Solid	8015B NM	14403
880-9100-25	S-7, 3'	Total/NA	Solid	8015B NM	14403
880-9100-26	S-7, 5'	Total/NA	Solid	8015B NM	14403
880-9100-27	S-7, 10'	Total/NA	Solid	8015B NM	14403
880-9100-28	PB-3, 1'	Total/NA	Solid	8015B NM	14403
880-9100-29	PB-3, 3'	Total/NA	Solid	8015B NM	14403
880-9100-30	PB-3, 5'	Total/NA	Solid	8015B NM	14403
880-9100-31	PB-3, 10'	Total/NA	Solid	8015B NM	14403
880-9100-32	PB-8, 1'	Total/NA	Solid	8015B NM	14403
880-9100-33	PB-8, 3'	Total/NA	Solid	8015B NM	14403
880-9100-34	PB-8, 5'	Total/NA	Solid	8015B NM	14403
880-9100-35	PB-8, 10'	Total/NA	Solid	8015B NM	14403
880-9100-36	S-6, 1'	Total/NA	Solid	8015B NM	14403
880-9100-37	S-6, 3'	Total/NA	Solid	8015B NM	14403
880-9100-38	S-6, 5'	Total/NA	Solid	8015B NM	14403
880-9100-39	S-6, 10'	Total/NA	Solid	8015B NM	14403
880-9100-40	PB-4, 1'	Total/NA	Solid	8015B NM	14403
MB 880-14403/1-A	Method Blank	Total/NA	Solid	8015B NM	14403
LCS 880-14403/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14403
LCSD 880-14403/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14403
880-9100-21 MS	PB-1, 3'	Total/NA	Solid	8015B NM	14403
880-9100-21 MSD	PB-1, 3'	Total/NA	Solid	8015B NM	14403

Analysis Batch: 14439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-52	PB-5, 1'	Total/NA	Solid	8015B NM	14448
880-9100-53	PB-5, 3'	Total/NA	Solid	8015B NM	14448

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

GC Semi VOA (Continued)

Analysis Batch: 14439 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-54	PB-5,5'	Total/NA	Solid	8015B NM	14448
MB 880-14448/1-A	Method Blank	Total/NA	Solid	8015B NM	14448
LCS 880-14448/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14448
LCSD 880-14448/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14448
890-1686-A-1-G MS	Matrix Spike	Total/NA	Solid	8015B NM	14448
890-1686-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	14448

Prep Batch: 14448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-52	PB-5,1'	Total/NA	Solid	8015NM Prep	
880-9100-53	PB-5,3'	Total/NA	Solid	8015NM Prep	
880-9100-54	PB-5,5'	Total/NA	Solid	8015NM Prep	
MB 880-14448/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14448/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14448/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1686-A-1-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1686-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 14554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-1	PB-7,1'	Total/NA	Solid	8015B NM	14376
880-9100-2	PB-7,3'	Total/NA	Solid	8015B NM	14376
880-9100-3	PB-7,5'	Total/NA	Solid	8015B NM	14376
880-9100-4	S-11, 1'	Total/NA	Solid	8015B NM	14376
880-9100-5	S-11, 3'	Total/NA	Solid	8015B NM	14376
880-9100-6	S-11, 5'	Total/NA	Solid	8015B NM	14376
880-9100-7	S-11, 10'	Total/NA	Solid	8015B NM	14376
880-9100-8	PB-2, 1	Total/NA	Solid	8015B NM	14376
880-9100-9	PB-2, 3'	Total/NA	Solid	8015B NM	14376
880-9100-10	PB-2, 5'	Total/NA	Solid	8015B NM	14376
880-9100-11	PB-2, 10'	Total/NA	Solid	8015B NM	14376
880-9100-12	S-10, 1'	Total/NA	Solid	8015B NM	14376
880-9100-13	S-10, 3'	Total/NA	Solid	8015B NM	14376
880-9100-14	S-10, 5'	Total/NA	Solid	8015B NM	14376
880-9100-15	S-10, 10'	Total/NA	Solid	8015B NM	14376
880-9100-16	PB-6,1'	Total/NA	Solid	8015B NM	14376
880-9100-17	PB-6,3'	Total/NA	Solid	8015B NM	14376
880-9100-18	PB-6,5'	Total/NA	Solid	8015B NM	14376
880-9100-20	PB-1,1'	Total/NA	Solid	8015B NM	14376
880-9100-55	PB-5,10'	Total/NA	Solid	8015B NM	14376
MB 880-14376/1-A	Method Blank	Total/NA	Solid	8015B NM	14376
LCS 880-14376/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14376
LCSD 880-14376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14376
880-9100-1 MS	PB-7,1'	Total/NA	Solid	8015B NM	14376
880-9100-1 MSD	PB-7,1'	Total/NA	Solid	8015B NM	14376

Analysis Batch: 14618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-1	PB-7,1'	Total/NA	Solid	8015 NM	
880-9100-2	PB-7,3'	Total/NA	Solid	8015 NM	
880-9100-3	PB-7,5'	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

GC Semi VOA (Continued)

Analysis Batch: 14618 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-4	S-11, 1'	Total/NA	Solid	8015 NM	
880-9100-5	S-11, 3'	Total/NA	Solid	8015 NM	
880-9100-6	S-11, 5'	Total/NA	Solid	8015 NM	
880-9100-7	S-11, 10'	Total/NA	Solid	8015 NM	
880-9100-8	PB-2, 1	Total/NA	Solid	8015 NM	
880-9100-9	PB-2, 3'	Total/NA	Solid	8015 NM	
880-9100-10	PB-2, 5'	Total/NA	Solid	8015 NM	
880-9100-11	PB-2, 10'	Total/NA	Solid	8015 NM	
880-9100-12	S-10, 1'	Total/NA	Solid	8015 NM	
880-9100-13	S-10, 3'	Total/NA	Solid	8015 NM	
880-9100-14	S-10, 5'	Total/NA	Solid	8015 NM	
880-9100-15	S-10, 10'	Total/NA	Solid	8015 NM	
880-9100-16	PB-6,1'	Total/NA	Solid	8015 NM	
880-9100-17	PB-6,3'	Total/NA	Solid	8015 NM	
880-9100-18	PB-6,5'	Total/NA	Solid	8015 NM	
880-9100-20	PB-1,1'	Total/NA	Solid	8015 NM	
880-9100-21	PB-1,3'	Total/NA	Solid	8015 NM	
880-9100-22	PB-1,5'	Total/NA	Solid	8015 NM	
880-9100-23	PB-1,10'	Total/NA	Solid	8015 NM	
880-9100-24	S-7,1'	Total/NA	Solid	8015 NM	
880-9100-25	S-7,3'	Total/NA	Solid	8015 NM	
880-9100-26	S-7,5'	Total/NA	Solid	8015 NM	
880-9100-27	S-7,10'	Total/NA	Solid	8015 NM	
880-9100-28	PB-3,1'	Total/NA	Solid	8015 NM	
880-9100-29	PB-3, 3'	Total/NA	Solid	8015 NM	
880-9100-30	PB-3, 5'	Total/NA	Solid	8015 NM	
880-9100-31	PB-3,10'	Total/NA	Solid	8015 NM	
880-9100-32	PB-8,1'	Total/NA	Solid	8015 NM	
880-9100-33	PB-8,3'	Total/NA	Solid	8015 NM	
880-9100-34	PB-8,5'	Total/NA	Solid	8015 NM	
880-9100-35	PB-8,10'	Total/NA	Solid	8015 NM	
880-9100-36	S-6,1'	Total/NA	Solid	8015 NM	
880-9100-37	S-6,3'	Total/NA	Solid	8015 NM	
880-9100-38	S-6,5'	Total/NA	Solid	8015 NM	
880-9100-39	S-6,10'	Total/NA	Solid	8015 NM	
880-9100-40	PB-4,1'	Total/NA	Solid	8015 NM	
880-9100-55	PB-5,10'	Total/NA	Solid	8015 NM	

Analysis Batch: 14652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-41	PB-4,3'	Total/NA	Solid	8015 NM	
880-9100-42	PB-4,5'	Total/NA	Solid	8015 NM	
880-9100-43	PB-4,10'	Total/NA	Solid	8015 NM	
880-9100-44	S-9,1'	Total/NA	Solid	8015 NM	
880-9100-45	S-9,3'	Total/NA	Solid	8015 NM	
880-9100-46	S-9,5'	Total/NA	Solid	8015 NM	
880-9100-47	S-9,10'	Total/NA	Solid	8015 NM	
880-9100-48	PB-9,1'	Total/NA	Solid	8015 NM	
880-9100-49	PB-9,3'	Total/NA	Solid	8015 NM	
880-9100-50	PB-9,5'	Total/NA	Solid	8015 NM	
880-9100-51	PB-9,10'	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

GC Semi VOA (Continued)

Analysis Batch: 14652 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-52	PB-5,1'	Total/NA	Solid	8015 NM	
880-9100-53	PB-5,3'	Total/NA	Solid	8015 NM	
880-9100-54	PB-5,5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 14384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-14	S-10, 5'	Soluble	Solid	DI Leach	
880-9100-15	S-10, 10'	Soluble	Solid	DI Leach	
880-9100-16	PB-6,1'	Soluble	Solid	DI Leach	
880-9100-17	PB-6,3'	Soluble	Solid	DI Leach	
MB 880-14384/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14384/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14384/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9100-14 MS	S-10, 5'	Soluble	Solid	DI Leach	
880-9100-14 MSD	S-10, 5'	Soluble	Solid	DI Leach	

Leach Batch: 14387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-18	PB-6,5'	Soluble	Solid	DI Leach	
880-9100-20	PB-1,1'	Soluble	Solid	DI Leach	
880-9100-21	PB-1,3'	Soluble	Solid	DI Leach	
880-9100-22	PB-1,5'	Soluble	Solid	DI Leach	
880-9100-23	PB-1,10'	Soluble	Solid	DI Leach	
880-9100-24	S-7,1'	Soluble	Solid	DI Leach	
880-9100-25	S-7,3'	Soluble	Solid	DI Leach	
880-9100-26	S-7,5'	Soluble	Solid	DI Leach	
880-9100-27	S-7,10'	Soluble	Solid	DI Leach	
880-9100-28	PB-3,1'	Soluble	Solid	DI Leach	
880-9100-29	PB-3, 3'	Soluble	Solid	DI Leach	
880-9100-30	PB-3, 5'	Soluble	Solid	DI Leach	
880-9100-31	PB-3,10'	Soluble	Solid	DI Leach	
880-9100-32	PB-8,1'	Soluble	Solid	DI Leach	
880-9100-33	PB-8,3'	Soluble	Solid	DI Leach	
880-9100-34	PB-8,5'	Soluble	Solid	DI Leach	
880-9100-35	PB-8,10'	Soluble	Solid	DI Leach	
880-9100-36	S-6,1'	Soluble	Solid	DI Leach	
880-9100-37	S-6,3'	Soluble	Solid	DI Leach	
880-9100-38	S-6,5'	Soluble	Solid	DI Leach	
MB 880-14387/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14387/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14387/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9100-18 MS	PB-6,5'	Soluble	Solid	DI Leach	
880-9100-18 MSD	PB-6,5'	Soluble	Solid	DI Leach	
880-9100-29 MS	PB-3, 3'	Soluble	Solid	DI Leach	
880-9100-29 MSD	PB-3, 3'	Soluble	Solid	DI Leach	

Leach Batch: 14411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-1	PB-7,1'	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

HPLC/IC (Continued)

Leach Batch: 14411 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-2	PB-7,3'	Soluble	Solid	DI Leach	
880-9100-3	PB-7,5'	Soluble	Solid	DI Leach	
MB 880-14411/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14411/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14411/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9100-1 MS	PB-7,1'	Soluble	Solid	DI Leach	
880-9100-1 MSD	PB-7,1'	Soluble	Solid	DI Leach	

Analysis Batch: 14419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-14	S-10, 5'	Soluble	Solid	300.0	14384
880-9100-15	S-10, 10'	Soluble	Solid	300.0	14384
880-9100-16	PB-6,1'	Soluble	Solid	300.0	14384
880-9100-17	PB-6,3'	Soluble	Solid	300.0	14384
MB 880-14384/1-A	Method Blank	Soluble	Solid	300.0	14384
LCS 880-14384/2-A	Lab Control Sample	Soluble	Solid	300.0	14384
LCSD 880-14384/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14384
880-9100-14 MS	S-10, 5'	Soluble	Solid	300.0	14384
880-9100-14 MSD	S-10, 5'	Soluble	Solid	300.0	14384

Leach Batch: 14490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-7	S-11, 10'	Soluble	Solid	DI Leach	
880-9100-8	PB-2, 1	Soluble	Solid	DI Leach	
880-9100-9	PB-2, 3'	Soluble	Solid	DI Leach	
880-9100-10	PB-2, 5'	Soluble	Solid	DI Leach	
880-9100-11	PB-2, 10'	Soluble	Solid	DI Leach	
880-9100-12	S-10, 1'	Soluble	Solid	DI Leach	
880-9100-13	S-10, 3'	Soluble	Solid	DI Leach	
880-9100-39	S-6,10'	Soluble	Solid	DI Leach	
880-9100-40	PB-4,1'	Soluble	Solid	DI Leach	
880-9100-41	PB-4,3'	Soluble	Solid	DI Leach	
880-9100-42	PB-4,5'	Soluble	Solid	DI Leach	
880-9100-43	PB-4,10'	Soluble	Solid	DI Leach	
880-9100-44	S-9,1'	Soluble	Solid	DI Leach	
880-9100-45	S-9,3'	Soluble	Solid	DI Leach	
880-9100-46	S-9,5'	Soluble	Solid	DI Leach	
880-9100-47	S-9,10'	Soluble	Solid	DI Leach	
880-9100-48	PB-9,1'	Soluble	Solid	DI Leach	
880-9100-49	PB-9,3'	Soluble	Solid	DI Leach	
880-9100-50	PB-9,5'	Soluble	Solid	DI Leach	
MB 880-14490/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14490/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14490/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9100-7 MS	S-11, 10'	Soluble	Solid	DI Leach	
880-9100-7 MSD	S-11, 10'	Soluble	Solid	DI Leach	
880-9100-42 MS	PB-4,5'	Soluble	Solid	DI Leach	
880-9100-42 MSD	PB-4,5'	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

HPLC/IC

Leach Batch: 14492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-51	PB-9,10'	Soluble	Solid	DI Leach	
880-9100-52	PB-5,1'	Soluble	Solid	DI Leach	
880-9100-53	PB-5,3'	Soluble	Solid	DI Leach	
880-9100-54	PB-5,5'	Soluble	Solid	DI Leach	
MB 880-14492/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14492/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14492/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9100-51 MS	PB-9,10'	Soluble	Solid	DI Leach	
880-9100-51 MSD	PB-9,10'	Soluble	Solid	DI Leach	

Leach Batch: 14497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-4	S-11, 1'	Soluble	Solid	DI Leach	
880-9100-5	S-11, 3'	Soluble	Solid	DI Leach	
880-9100-6	S-11, 5'	Soluble	Solid	DI Leach	
MB 880-14497/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14497/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14497/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9100-4 MS	S-11, 1'	Soluble	Solid	DI Leach	
880-9100-4 MSD	S-11, 1'	Soluble	Solid	DI Leach	

Analysis Batch: 14570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-18	PB-6,5'	Soluble	Solid	300.0	14387
880-9100-20	PB-1,1'	Soluble	Solid	300.0	14387
880-9100-21	PB-1,3'	Soluble	Solid	300.0	14387
880-9100-22	PB-1,5'	Soluble	Solid	300.0	14387
880-9100-23	PB-1,10'	Soluble	Solid	300.0	14387
880-9100-24	S-7,1'	Soluble	Solid	300.0	14387
880-9100-25	S-7,3'	Soluble	Solid	300.0	14387
880-9100-26	S-7,5'	Soluble	Solid	300.0	14387
880-9100-27	S-7,10'	Soluble	Solid	300.0	14387
880-9100-28	PB-3,1'	Soluble	Solid	300.0	14387
880-9100-29	PB-3, 3'	Soluble	Solid	300.0	14387
880-9100-30	PB-3, 5'	Soluble	Solid	300.0	14387
880-9100-31	PB-3,10'	Soluble	Solid	300.0	14387
880-9100-32	PB-8,1'	Soluble	Solid	300.0	14387
880-9100-33	PB-8,3'	Soluble	Solid	300.0	14387
880-9100-34	PB-8,5'	Soluble	Solid	300.0	14387
880-9100-35	PB-8,10'	Soluble	Solid	300.0	14387
880-9100-36	S-6,1'	Soluble	Solid	300.0	14387
880-9100-37	S-6,3'	Soluble	Solid	300.0	14387
880-9100-38	S-6,5'	Soluble	Solid	300.0	14387
MB 880-14387/1-A	Method Blank	Soluble	Solid	300.0	14387
LCS 880-14387/2-A	Lab Control Sample	Soluble	Solid	300.0	14387
LCSD 880-14387/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14387
880-9100-18 MS	PB-6,5'	Soluble	Solid	300.0	14387
880-9100-18 MSD	PB-6,5'	Soluble	Solid	300.0	14387
880-9100-29 MS	PB-3, 3'	Soluble	Solid	300.0	14387
880-9100-29 MSD	PB-3, 3'	Soluble	Solid	300.0	14387

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

HPLC/IC

Analysis Batch: 14572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-1	PB-7,1'	Soluble	Solid	300.0	14411
880-9100-2	PB-7,3'	Soluble	Solid	300.0	14411
880-9100-3	PB-7,5'	Soluble	Solid	300.0	14411
MB 880-14411/1-A	Method Blank	Soluble	Solid	300.0	14411
LCS 880-14411/2-A	Lab Control Sample	Soluble	Solid	300.0	14411
LCSD 880-14411/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14411
880-9100-1 MS	PB-7,1'	Soluble	Solid	300.0	14411
880-9100-1 MSD	PB-7,1'	Soluble	Solid	300.0	14411

Analysis Batch: 14575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-7	S-11, 10'	Soluble	Solid	300.0	14490
880-9100-8	PB-2, 1	Soluble	Solid	300.0	14490
880-9100-9	PB-2, 3'	Soluble	Solid	300.0	14490
880-9100-10	PB-2, 5'	Soluble	Solid	300.0	14490
880-9100-11	PB-2, 10'	Soluble	Solid	300.0	14490
880-9100-12	S-10, 1'	Soluble	Solid	300.0	14490
880-9100-13	S-10, 3'	Soluble	Solid	300.0	14490
880-9100-39	S-6,10'	Soluble	Solid	300.0	14490
880-9100-40	PB-4,1'	Soluble	Solid	300.0	14490
880-9100-41	PB-4,3'	Soluble	Solid	300.0	14490
880-9100-42	PB-4,5'	Soluble	Solid	300.0	14490
880-9100-43	PB-4,10'	Soluble	Solid	300.0	14490
880-9100-44	S-9,1'	Soluble	Solid	300.0	14490
880-9100-45	S-9,3'	Soluble	Solid	300.0	14490
880-9100-46	S-9,5'	Soluble	Solid	300.0	14490
880-9100-47	S-9,10'	Soluble	Solid	300.0	14490
880-9100-48	PB-9,1'	Soluble	Solid	300.0	14490
880-9100-49	PB-9,3'	Soluble	Solid	300.0	14490
880-9100-50	PB-9,5'	Soluble	Solid	300.0	14490
MB 880-14490/1-A	Method Blank	Soluble	Solid	300.0	14490
LCS 880-14490/2-A	Lab Control Sample	Soluble	Solid	300.0	14490
LCSD 880-14490/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14490
880-9100-7 MS	S-11, 10'	Soluble	Solid	300.0	14490
880-9100-7 MSD	S-11, 10'	Soluble	Solid	300.0	14490
880-9100-42 MS	PB-4,5'	Soluble	Solid	300.0	14490
880-9100-42 MSD	PB-4,5'	Soluble	Solid	300.0	14490

Analysis Batch: 14576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-51	PB-9,10'	Soluble	Solid	300.0	14492
880-9100-52	PB-5,1'	Soluble	Solid	300.0	14492
880-9100-53	PB-5,3'	Soluble	Solid	300.0	14492
880-9100-54	PB-5,5'	Soluble	Solid	300.0	14492
MB 880-14492/1-A	Method Blank	Soluble	Solid	300.0	14492
LCS 880-14492/2-A	Lab Control Sample	Soluble	Solid	300.0	14492
LCSD 880-14492/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14492
880-9100-51 MS	PB-9,10'	Soluble	Solid	300.0	14492
880-9100-51 MSD	PB-9,10'	Soluble	Solid	300.0	14492

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

HPLC/IC

Analysis Batch: 14765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-4	S-11, 1'	Soluble	Solid	300.0	14497
880-9100-5	S-11, 3'	Soluble	Solid	300.0	14497
880-9100-6	S-11, 5'	Soluble	Solid	300.0	14497
MB 880-14497/1-A	Method Blank	Soluble	Solid	300.0	14497
LCS 880-14497/2-A	Lab Control Sample	Soluble	Solid	300.0	14497
LCSD 880-14497/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14497
880-9100-4 MS	S-11, 1'	Soluble	Solid	300.0	14497
880-9100-4 MSD	S-11, 1'	Soluble	Solid	300.0	14497

Leach Batch: 14940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-55	PB-5,10'	Soluble	Solid	DI Leach	
MB 880-14940/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14940/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14940/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9404-A-23-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-9404-A-23-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 14980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9100-55	PB-5,10'	Soluble	Solid	300.0	14940
MB 880-14940/1-A	Method Blank	Soluble	Solid	300.0	14940
LCS 880-14940/2-A	Lab Control Sample	Soluble	Solid	300.0	14940
LCSD 880-14940/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14940
880-9404-A-23-C MS	Matrix Spike	Soluble	Solid	300.0	14940
880-9404-A-23-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14940

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-7,1'

Lab Sample ID: 880-9100-1

Date Collected: 12/02/21 11:15

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/08/21 22:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 11:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14411	12/09/21 16:58	CA	XEN MID
Soluble	Analysis	300.0		1			14572	12/12/21 15:24	CH	XEN MID

Client Sample ID: PB-7,3'

Lab Sample ID: 880-9100-2

Date Collected: 12/02/21 11:16

Matrix: Solid

Date Received: 12/08/21 09:38

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	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/08/21 23:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 12:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14411	12/09/21 16:58	CA	XEN MID
Soluble	Analysis	300.0		1			14572	12/13/21 13:06	CH	XEN MID

Client Sample ID: PB-7,5'

Lab Sample ID: 880-9100-3

Date Collected: 12/02/21 11:17

Matrix: Solid

Date Received: 12/08/21 09:38

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	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/08/21 23:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 13:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14411	12/09/21 16:58	CA	XEN MID
Soluble	Analysis	300.0		1			14572	12/13/21 13:13	CH	XEN MID

Client Sample ID: S-11, 1'

Lab Sample ID: 880-9100-4

Date Collected: 12/02/21 11:30

Matrix: Solid

Date Received: 12/08/21 09:38

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	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/08/21 23:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-11, 1'

Date Collected: 12/02/21 11:30

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 13:38	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14497	12/10/21 12:20	CH	XEN MID
Soluble	Analysis	300.0		1			14765	12/13/21 20:48	CH	XEN MID

Client Sample ID: S-11, 3'

Date Collected: 12/02/21 11:31

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 00:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 13:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14497	12/10/21 12:20	CH	XEN MID
Soluble	Analysis	300.0		5			14765	12/13/21 21:08	CH	XEN MID

Client Sample ID: S-11, 5'

Date Collected: 12/02/21 11:32

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 00:22	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 14:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14497	12/10/21 12:20	CH	XEN MID
Soluble	Analysis	300.0		5			14765	12/13/21 21:15	CH	XEN MID

Client Sample ID: S-11, 10'

Date Collected: 12/02/21 11:33

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-7

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			5.05 g	5 mL	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 00:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 14:40	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-11, 10'

Date Collected: 12/02/21 11:33

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 03:31	CH	XEN MID

Client Sample ID: PB-2, 1

Date Collected: 12/02/21 11:50

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 01:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 15:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		5			14575	12/13/21 03:51	CH	XEN MID

Client Sample ID: PB-2, 3'

Date Collected: 12/02/21 11:51

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 01:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 15:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 13:59	CH	XEN MID

Client Sample ID: PB-2, 5'

Date Collected: 12/02/21 11:52

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 01:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 15:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 14:06	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-2, 10'

Lab Sample ID: 880-9100-11

Date Collected: 12/02/21 11:53

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 03:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 16:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 04:11	CH	XEN MID

Client Sample ID: S-10, 1'

Lab Sample ID: 880-9100-12

Date Collected: 12/02/21 12:00

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 03:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		5			14554	12/12/21 09:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 04:31	CH	XEN MID

Client Sample ID: S-10, 3'

Lab Sample ID: 880-9100-13

Date Collected: 12/02/21 12:01

Matrix: Solid

Date Received: 12/08/21 09:38

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	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 03:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 17:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 04:38	CH	XEN MID

Client Sample ID: S-10, 5'

Lab Sample ID: 880-9100-14

Date Collected: 12/02/21 12:02

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 04:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-10, 5'

Date Collected: 12/02/21 12:02

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 17:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14384	12/09/21 13:43	CA	XEN MID
Soluble	Analysis	300.0		1			14419	12/10/21 14:26	CH	XEN MID

Client Sample ID: S-10, 10'

Date Collected: 12/02/21 12:03

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 04:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 17:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14384	12/09/21 13:43	CA	XEN MID
Soluble	Analysis	300.0		1			14419	12/10/21 14:46	CH	XEN MID

Client Sample ID: PB-6,1'

Date Collected: 12/02/21 12:20

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 04:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 18:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14384	12/09/21 13:43	CA	XEN MID
Soluble	Analysis	300.0		1			14419	12/10/21 14:53	CH	XEN MID

Client Sample ID: PB-6,3'

Date Collected: 12/02/21 12:21

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 05:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 18:28	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-6,3'

Date Collected: 12/02/21 12:21

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	14384	12/09/21 13:43	CA	XEN MID
Soluble	Analysis	300.0		1			14419	12/10/21 15:00	CH	XEN MID

Client Sample ID: PB-6,5'

Date Collected: 12/02/21 12:22

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 05:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 18:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		5			14570	12/12/21 18:19	CH	XEN MID

Client Sample ID: PB-1,1'

Date Collected: 12/02/21 12:40

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	14273	12/08/21 10:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14251	12/09/21 05:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 19:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		5			14570	12/12/21 18:52	CH	XEN MID

Client Sample ID: PB-1,3'

Date Collected: 12/02/21 12:41

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 01:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14353	12/09/21 09:38	KL	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 11:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/13/21 16:49	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-1,5'

Lab Sample ID: 880-9100-22

Date Collected: 12/02/21 12:42

Matrix: Solid

Date Received: 12/08/21 09:38

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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 01:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 12:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/13/21 17:00	CH	XEN MID

Client Sample ID: PB-1,10'

Lab Sample ID: 880-9100-23

Date Collected: 12/02/21 12:45

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 01:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 13:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/12/21 19:25	CH	XEN MID

Client Sample ID: S-7,1'

Lab Sample ID: 880-9100-24

Date Collected: 12/03/21 10:00

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 02:14	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 13:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/12/21 19:58	CH	XEN MID

Client Sample ID: S-7,3'

Lab Sample ID: 880-9100-25

Date Collected: 12/03/21 10:01

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 02:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-7,3'

Lab Sample ID: 880-9100-25

Date Collected: 12/03/21 10:01

Matrix: Solid

Date Received: 12/08/21 09:38

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			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 14:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/12/21 20:09	CH	XEN MID

Client Sample ID: S-7,5'

Lab Sample ID: 880-9100-26

Date Collected: 12/03/21 10:02

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 02:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 14:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/13/21 17:11	CH	XEN MID

Client Sample ID: S-7,10'

Lab Sample ID: 880-9100-27

Date Collected: 12/03/21 10:03

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 03:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 15:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/12/21 20:30	CH	XEN MID

Client Sample ID: PB-3,1'

Lab Sample ID: 880-9100-28

Date Collected: 12/03/21 12:00

Matrix: Solid

Date Received: 12/08/21 09:38

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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 03:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 15:28	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-3,1'

Date Collected: 12/03/21 12:00

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/12/21 20:41	CH	XEN MID

Client Sample ID: PB-3, 3'

Date Collected: 12/03/21 10:21

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 03:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 15:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/13/21 17:22	CH	XEN MID

Client Sample ID: PB-3, 5'

Date Collected: 12/03/21 10:22

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 04:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 16:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		5			14570	12/12/21 21:25	CH	XEN MID

Client Sample ID: PB-3,10'

Date Collected: 12/03/21 10:23

Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 06:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 17:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/12/21 21:36	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-8,1'

Lab Sample ID: 880-9100-32

Date Collected: 12/03/21 10:35

Matrix: Solid

Date Received: 12/08/21 09:38

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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 06:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 17:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/12/21 22:09	CH	XEN MID

Client Sample ID: PB-8,3'

Lab Sample ID: 880-9100-33

Date Collected: 12/03/21 10:36

Matrix: Solid

Date Received: 12/08/21 09:38

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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 06:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 17:49	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		5			14570	12/12/21 22:19	CH	XEN MID

Client Sample ID: PB-8,5'

Lab Sample ID: 880-9100-34

Date Collected: 12/03/21 10:37

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 07:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 18:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		5			14570	12/12/21 22:30	CH	XEN MID

Client Sample ID: PB-8,10'

Lab Sample ID: 880-9100-35

Date Collected: 12/03/21 10:38

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 07:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-8,10'

Lab Sample ID: 880-9100-35

Date Collected: 12/03/21 10:38

Matrix: Solid

Date Received: 12/08/21 09:38

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			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 18:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/12/21 22:41	CH	XEN MID

Client Sample ID: S-6,1'

Lab Sample ID: 880-9100-36

Date Collected: 12/03/21 10:55

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 07:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 18:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/12/21 22:52	CH	XEN MID

Client Sample ID: S-6,3'

Lab Sample ID: 880-9100-37

Date Collected: 12/03/21 10:56

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 08:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 19:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		1			14570	12/13/21 17:54	CH	XEN MID

Client Sample ID: S-6,5'

Lab Sample ID: 880-9100-38

Date Collected: 12/03/21 10:57

Matrix: Solid

Date Received: 12/08/21 09:38

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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 08:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 19:33	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-6,5'

Lab Sample ID: 880-9100-38

Date Collected: 12/03/21 10:57

Matrix: Solid

Date Received: 12/08/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	14387	12/09/21 13:49	CA	XEN MID
Soluble	Analysis	300.0		5			14570	12/12/21 23:14	CH	XEN MID

Client Sample ID: S-6,10'

Lab Sample ID: 880-9100-39

Date Collected: 12/03/21 10:58

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 08:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 19:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 04:45	CH	XEN MID

Client Sample ID: PB-4,1'

Lab Sample ID: 880-9100-40

Date Collected: 12/03/21 11:15

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14274	12/08/21 10:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14253	12/09/21 09:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14403	12/09/21 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14436	12/10/21 20:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 04:51	CH	XEN MID

Client Sample ID: PB-4,3'

Lab Sample ID: 880-9100-41

Date Collected: 12/03/21 11:16

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/09/21 23:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14331	12/09/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14325	12/09/21 12:10	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		5			14575	12/13/21 04:58	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-4,5'

Lab Sample ID: 880-9100-42

Date Collected: 12/03/21 11:17

Matrix: Solid

Date Received: 12/08/21 09:38

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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/09/21 23:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14331	12/09/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14325	12/09/21 16:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		5			14575	12/13/21 05:04	CH	XEN MID

Client Sample ID: PB-4,10'

Lab Sample ID: 880-9100-43

Date Collected: 12/03/21 11:18

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/09/21 23:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14331	12/09/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14325	12/09/21 17:09	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 05:24	CH	XEN MID

Client Sample ID: S-9,1'

Lab Sample ID: 880-9100-44

Date Collected: 12/03/21 11:35

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/10/21 00:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14331	12/09/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14325	12/09/21 17:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 05:31	CH	XEN MID

Client Sample ID: S-9,3'

Lab Sample ID: 880-9100-45

Date Collected: 12/03/21 11:36

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/10/21 00:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: S-9,3'

Lab Sample ID: 880-9100-45

Date Collected: 12/03/21 11:36

Matrix: Solid

Date Received: 12/08/21 09:38

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			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14331	12/09/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14325	12/09/21 17:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 14:13	CH	XEN MID

Client Sample ID: S-9,5'

Lab Sample ID: 880-9100-46

Date Collected: 12/03/21 11:37

Matrix: Solid

Date Received: 12/08/21 09:38

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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/10/21 00:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14331	12/09/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14325	12/09/21 18:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 14:19	CH	XEN MID

Client Sample ID: S-9,10'

Lab Sample ID: 880-9100-47

Date Collected: 12/03/21 11:38

Matrix: Solid

Date Received: 12/08/21 09:38

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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/10/21 01:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14331	12/09/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14325	12/09/21 18:35	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 06:04	CH	XEN MID

Client Sample ID: PB-9,1'

Lab Sample ID: 880-9100-48

Date Collected: 12/03/21 11:55

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/10/21 01:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14331	12/09/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14325	12/09/21 18:56	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-9,1'

Lab Sample ID: 880-9100-48

Date Collected: 12/03/21 11:55

Matrix: Solid

Date Received: 12/08/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		5			14575	12/13/21 06:11	CH	XEN MID

Client Sample ID: PB-9,3'

Lab Sample ID: 880-9100-49

Date Collected: 12/03/21 11:56

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/10/21 01:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14331	12/09/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14325	12/09/21 19:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 14:26	CH	XEN MID

Client Sample ID: PB-9,5'

Lab Sample ID: 880-9100-50

Date Collected: 12/03/21 11:57

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/10/21 02:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14331	12/09/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14325	12/09/21 19:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	14490	12/10/21 12:06	CH	XEN MID
Soluble	Analysis	300.0		1			14575	12/13/21 14:33	CH	XEN MID

Client Sample ID: PB-9,10'

Lab Sample ID: 880-9100-51

Date Collected: 12/03/21 11:58

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/10/21 03:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14331	12/09/21 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14325	12/09/21 19:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	14492	12/10/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		1			14576	12/13/21 07:24	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-5,1'

Lab Sample ID: 880-9100-52

Date Collected: 12/03/21 12:15

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/10/21 03:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14448	12/10/21 08:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14439	12/10/21 17:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14492	12/10/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		5			14576	12/13/21 07:44	CH	XEN MID

Client Sample ID: PB-5,3'

Lab Sample ID: 880-9100-53

Date Collected: 12/03/21 12:16

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/10/21 04:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14448	12/10/21 08:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14439	12/10/21 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14492	12/10/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		10			14576	12/13/21 07:51	CH	XEN MID

Client Sample ID: PB-5,5'

Lab Sample ID: 880-9100-54

Date Collected: 12/03/21 12:17

Matrix: Solid

Date Received: 12/08/21 09:38

Prep 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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/10/21 04:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14652	12/13/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14448	12/10/21 08:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14439	12/10/21 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14492	12/10/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		5			14576	12/13/21 07:57	CH	XEN MID

Client Sample ID: PB-5,10'

Lab Sample ID: 880-9100-55

Date Collected: 12/03/21 12:18

Matrix: Solid

Date Received: 12/08/21 09:38

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	14280	12/08/21 10:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14330	12/10/21 04:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14648	12/13/21 11:53	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

Client Sample ID: PB-5,10'
Date Collected: 12/03/21 12:18
Date Received: 12/08/21 09:38

Lab Sample ID: 880-9100-55
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14618	12/13/21 09:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14376	12/09/21 13:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14554	12/11/21 19:32	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14940	12/16/21 12:03	CH	XEN MID
Soluble	Analysis	300.0		1			14980	12/16/21 18:40	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: CB Cal 25 36

Job ID: 880-9100-1

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

Method Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9100-1

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: CB Cal 25 36

Job ID: 880-9100-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-9100-1	PB-7,1'	Solid	12/02/21 11:15	12/08/21 09:38
880-9100-2	PB-7,3'	Solid	12/02/21 11:16	12/08/21 09:38
880-9100-3	PB-7,5'	Solid	12/02/21 11:17	12/08/21 09:38
880-9100-4	S-11, 1'	Solid	12/02/21 11:30	12/08/21 09:38
880-9100-5	S-11, 3'	Solid	12/02/21 11:31	12/08/21 09:38
880-9100-6	S-11, 5'	Solid	12/02/21 11:32	12/08/21 09:38
880-9100-7	S-11, 10'	Solid	12/02/21 11:33	12/08/21 09:38
880-9100-8	PB-2, 1	Solid	12/02/21 11:50	12/08/21 09:38
880-9100-9	PB-2, 3'	Solid	12/02/21 11:51	12/08/21 09:38
880-9100-10	PB-2, 5'	Solid	12/02/21 11:52	12/08/21 09:38
880-9100-11	PB-2, 10'	Solid	12/02/21 11:53	12/08/21 09:38
880-9100-12	S-10, 1'	Solid	12/02/21 12:00	12/08/21 09:38
880-9100-13	S-10, 3'	Solid	12/02/21 12:01	12/08/21 09:38
880-9100-14	S-10, 5'	Solid	12/02/21 12:02	12/08/21 09:38
880-9100-15	S-10, 10'	Solid	12/02/21 12:03	12/08/21 09:38
880-9100-16	PB-6,1'	Solid	12/02/21 12:20	12/08/21 09:38
880-9100-17	PB-6,3'	Solid	12/02/21 12:21	12/08/21 09:38
880-9100-18	PB-6,5'	Solid	12/02/21 12:22	12/08/21 09:38
880-9100-20	PB-1,1'	Solid	12/02/21 12:40	12/08/21 09:38
880-9100-21	PB-1,3'	Solid	12/02/21 12:41	12/08/21 09:38
880-9100-22	PB-1,5'	Solid	12/02/21 12:42	12/08/21 09:38
880-9100-23	PB-1,10'	Solid	12/02/21 12:45	12/08/21 09:38
880-9100-24	S-7,1'	Solid	12/03/21 10:00	12/08/21 09:38
880-9100-25	S-7,3'	Solid	12/03/21 10:01	12/08/21 09:38
880-9100-26	S-7,5'	Solid	12/03/21 10:02	12/08/21 09:38
880-9100-27	S-7,10'	Solid	12/03/21 10:03	12/08/21 09:38
880-9100-28	PB-3,1'	Solid	12/03/21 12:00	12/08/21 09:38
880-9100-29	PB-3, 3'	Solid	12/03/21 10:21	12/08/21 09:38
880-9100-30	PB-3, 5'	Solid	12/03/21 10:22	12/08/21 09:38
880-9100-31	PB-3,10'	Solid	12/03/21 10:23	12/08/21 09:38
880-9100-32	PB-8,1'	Solid	12/03/21 10:35	12/08/21 09:38
880-9100-33	PB-8,3'	Solid	12/03/21 10:36	12/08/21 09:38
880-9100-34	PB-8,5'	Solid	12/03/21 10:37	12/08/21 09:38
880-9100-35	PB-8,10'	Solid	12/03/21 10:38	12/08/21 09:38
880-9100-36	S-6,1'	Solid	12/03/21 10:55	12/08/21 09:38
880-9100-37	S-6,3'	Solid	12/03/21 10:56	12/08/21 09:38
880-9100-38	S-6,5'	Solid	12/03/21 10:57	12/08/21 09:38
880-9100-39	S-6,10'	Solid	12/03/21 10:58	12/08/21 09:38
880-9100-40	PB-4,1'	Solid	12/03/21 11:15	12/08/21 09:38
880-9100-41	PB-4,3'	Solid	12/03/21 11:16	12/08/21 09:38
880-9100-42	PB-4,5'	Solid	12/03/21 11:17	12/08/21 09:38
880-9100-43	PB-4,10'	Solid	12/03/21 11:18	12/08/21 09:38
880-9100-44	S-9,1'	Solid	12/03/21 11:35	12/08/21 09:38
880-9100-45	S-9,3'	Solid	12/03/21 11:36	12/08/21 09:38
880-9100-46	S-9,5'	Solid	12/03/21 11:37	12/08/21 09:38
880-9100-47	S-9,10'	Solid	12/03/21 11:38	12/08/21 09:38
880-9100-48	PB-9,1'	Solid	12/03/21 11:55	12/08/21 09:38
880-9100-49	PB-9,3'	Solid	12/03/21 11:56	12/08/21 09:38
880-9100-50	PB-9,5'	Solid	12/03/21 11:57	12/08/21 09:38
880-9100-51	PB-9,10'	Solid	12/03/21 11:58	12/08/21 09:38
880-9100-52	PB-5,1'	Solid	12/03/21 12:15	12/08/21 09:38
880-9100-53	PB-5,3'	Solid	12/03/21 12:16	12/08/21 09:38
880-9100-54	PB-5,5'	Solid	12/03/21 12:17	12/08/21 09:38
880-9100-55	PB-5,10'	Solid	12/03/21 12:18	12/08/21 09:38

Varson & Associates, Inc.

Environmental Consultants

507 N Mainfield Ste 202

Midland, TX 79701

432 687 0901

Data Reported to

DATE 12/17/2021 PAGE 1 OF 4

PO# LAB WORK ORDER#

PROJECT LOCATION OR NAME CB Cal 25 3c

LAI PROJECT # 21-000-19 COLLECTOR MB + MV

9100

CHAIN-OF-CUSTODY

No. 2284

TIME ZONE Time zone/State	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		FIELD NOTES
					BTX/MTBE TRPH 418 1 ☐ TPH 1005 ☐ TPH 1006 ☐ GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ OIL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ TCLP - METALS (RCRA) ☐ TCLP VOC ☐ TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ TOTAL METALS (RCRA) ☐ OTHER LIST ☐ LEAD - TOTAL ☐ DW 2008 ☐ TCLP ☐ RCL ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ JTSS ☐ % MOISTURE ☐ CYANIDE ☐ PH ☐ HEXAVALENT CHROMIUM ☐ EXPLOSIVES ☐ PENTACHLORATE ☐ CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐		
Field Sample ID	Lab #	Date	Time	Matrix	# of Containers		
PB-7, 1'		11/12/21	1115	S	1	X	X X X X
PB-7, 3'			1116				
PB-7, 5'			1117				
S-11, 1'			1130				
S-11, 3'			1131				
S-11, 5'			1132				
S-11, 10'			1133				
PB-2, 1'			1150				
PB-2, 3'			1151				
PB-2, 5'			1152				
PB-2, 10'			1153				
S-10, 1'			1200				
S-10, 5'			1201				
S-10, 5'			1202				
S-10, 10'			1203				
TOTAL							



880-9100 Chain of Custody

Analyze chloride
to 100 mg/Ls
Per sample
location
202

Varson & Associates, Inc.
Environmental Consultants

507 N. Mainfield Ste 202

Midland TX 79701

432 687 0901

DATE 12/7/21

PO#

PROJECT LOCATION OR NAME

LAB WORK ORDER#

PAGE 28 OF 4

9100

CHAIN-OF-CUSTODY

No. 2285

12/21/2021

Data Reported to

LAI PROJECT # 21-0100-19

COLLECTOR: m6 + lu

TRRP report?
☐ Yes ☒ NoS=SOIL
W=WATER
A=AIRP=PAINT
SL=SLUDGE
OT=OTHERTIME ZONE
Time zone/State

NST / MNA

Field
Sample ID

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃H₂SO₄ NaOH

ICE

UNPRESERVED

ANALYSES

BTEX-MTBE

TPH 418.1 TPH 1005 TPH 1006

GASOLINE MOD 8015

DIESEL MOD 8015

OIL - MOD 8015

VOC 8260

SVOC 8270

8081 PESTICIDES

8082 PCBs

TCLP - METALS (RCRA)

TCLP - PEST

TOTAL METALS (RCRA)

LEAD - TOTAL

RO - TOTAL

TDS

TSS

PH

EXPLOSIVES

CHLORIDES

ANIONS

ALKALINITY

FIELD NOTES

PB-4, 1'

12/11/21

12/26

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Aarson &
associates, Inc.
Environmental Consultants

507 N. Marengfeld Ste. 202
Midland TX 79701
432 687 0901

Data Reported to

DATE 12/21/21

PO#

LAB WORK ORDER#

PAGE 3 OF 4

PROJECT LOCATION OR NAME CB 661 8536

LAI PROJECT # 21-0100-19 COLLECTOR MB 240

9100

CHAIN-OF-CUSTODY

No. 2286

12/21/2021

TIME ZONE Time Zone/State	TRRP report? ☐ Yes ☒ No	S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION				ANALYSES	FIELD NOTES		
									HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE			UNPRESERVED	
EST / NM																
PB-3, 10'					12/31/21	1025	5	1				X	X	X	X	Analyze chloride to 100 mg/Ls per sample location
PB-8, 1'						1035										
PB-8, 3'						1036										
PB-8, 5'						1037										
PB-8, 10'						1038										
S-4, 1'						1055										
S-4, 3'						1056										
S-4, 5'						1057										
S-4, 10'						1058										
PB-4, 1'						1115										
PB-4, 3'						1116										
PB-4, 5'						1117										
PB-4, 10'						1118										
S-4, 1'						1135										
S-4, 3'						1136										
TOTAL								15								

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Varson & Associates, Inc.

Environmental Consultants

507 N Marensfeld Ste 202

Midland TX 79701

432 687 0901

DATE 12/21/21

PO#

LAB WORK ORDER#

PAGE 4 of 4

9100

CHAIN-OF-CUSTODY

No. 2287

PROJECT LOCATION OR NAME CB Cal 25 36

LAI PROJECT # 21-0100-19

COLLECTOR MB & RW

Data Reported to

 TRRP report?
☐ Yes ☒ No

 S=SOIL
 W=WATER
 A=AIR
 P=PAINT
 SL=SLUDGE
 OT=OTHER
TIME ZONE
Time zone/State

NST/MM

Field
Sample ID

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES

BTEX ☒ MTBE ☐ TPH 1005 ☐ TPH 1006 ☐

GASOLINE MOD 8015 ☐ OIL MOD 8015 ☐ VOC 8200 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐

8081 PESTICIDES ☐ 8151 HERBICIDES ☐ TCLP - METALS (RCRA) ☐ TCLP - PEST ☐ HERB ☐ Semi-VOC ☐

TOTAL METALS (RCRA) ☐ OTHER LIST ☐ LEAD - TOTAL ☐ DW 200.8 ☐ TCLP ☐ RCI ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐

PH ☐ HEXAVALENT CHROMIUM ☐ EXPLOSIVES ☐ PECTHLOMATE ☐ CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐

FIELD NOTES

 Analyze chloride
 to 600 mg/kg
 per sample location

202

 S-9, S'
 5-9, 10'
 PB-9, 1'
 PB-9, 3'
 PB-9, 5'
 PB-9, 10'
 PB-5, 1'
 PB-5, 3'
 PB-5, 5'
 PB-5, 10'

 12/31/21
 11:37
 11:38
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 11:57
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 12:16
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TOTAL

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RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

LABORATORY USE ONLY

RECEIVING TEMP

THERM#

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

NORMAL ☒

CUSTODY SEALS -

BROKEN ☒CONTACT ☐

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

1 DAY ☐

CARRIER BILL #

NOT USED

LABORATORY XERO

OTHER ☐HAND DELIVERED ☐

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-9100-1

Login Number: 9100

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: 880-9270-1

Laboratory Sample Delivery Group: 21-0100-19

Client Project/Site: CB Cal 25 36

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:
12/21/2021 11:24:47 AM

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

LINKS

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results through

TotalAccess

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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: CB Cal 25 36

Laboratory Job ID: 880-9270-1
SDG: 21-0100-19

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

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
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Job ID: 880-9270-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-9270-1

Receipt

The samples were received on 12/13/2021 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.8°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1,1' (880-9270-1), S-1,5' (880-9270-3), S-4,3' (880-9270-14), S5,1' (880-9270-17) and (MB 880-14447/5-B). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-14776 and analytical batch 880-14800 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-9270-A-1-F MSD). Evidence of matrix interferences is not obvious.

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

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: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-1,1'

Lab Sample ID: 880-9270-1

Date Collected: 12/09/21 10:54

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201	mg/Kg		12/13/21 11:02	12/13/21 21:47	1
Toluene	<0.00201	U F1	0.00201	mg/Kg		12/13/21 11:02	12/13/21 21:47	1
Ethylbenzene	<0.00201	U F1	0.00201	mg/Kg		12/13/21 11:02	12/13/21 21:47	1
m,p-Xylenes	<0.00402	U F1	0.00402	mg/Kg		12/13/21 11:02	12/13/21 21:47	1
o-Xylene	<0.00201	U F1	0.00201	mg/Kg		12/13/21 11:02	12/13/21 21:47	1
Xylenes, Total	<0.00402	U F1	0.00402	mg/Kg		12/13/21 11:02	12/13/21 21:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	12/13/21 11:02	12/13/21 21:47	1
1,4-Difluorobenzene (Surr)	117		70 - 130	12/13/21 11:02	12/13/21 21:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9	mg/Kg		12/14/21 11:31	12/15/21 11:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9	mg/Kg		12/14/21 11:31	12/15/21 11:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 11:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	12/14/21 11:31	12/15/21 11:09	1
o-Terphenyl (Surr)	124		70 - 130	12/14/21 11:31	12/15/21 11:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	653		5.00	mg/Kg			12/20/21 02:37	1

Client Sample ID: S-1,3'

Lab Sample ID: 880-9270-2

Date Collected: 12/09/21 10:55

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/13/21 22:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/13/21 22:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/13/21 22:08	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/13/21 22:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/13/21 22:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/13/21 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	12/13/21 11:02	12/13/21 22:08	1
1,4-Difluorobenzene (Surr)	84		70 - 130	12/13/21 11:02	12/13/21 22:08	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-1,3'

Lab Sample ID: 880-9270-2

Date Collected: 12/09/21 10:55

Matrix: Solid

Date Received: 12/13/21 09:15

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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 12:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 12:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 12:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			12/14/21 11:31	12/15/21 12:14	1
o-Terphenyl (Surr)	104		70 - 130			12/14/21 11:31	12/15/21 12:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	496		5.01	mg/Kg			12/20/21 02:56	1

Client Sample ID: S-1,5'

Lab Sample ID: 880-9270-3

Date Collected: 12/09/21 10:56

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 22:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 22:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 22:28	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/13/21 11:02	12/13/21 22:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 22:28	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/21 11:02	12/13/21 22:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130			12/13/21 11:02	12/13/21 22:28	1
1,4-Difluorobenzene (Surr)	117		70 - 130			12/13/21 11:02	12/13/21 22:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 12:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 12:35	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-1,5'

Lab Sample ID: 880-9270-3

Date Collected: 12/09/21 10:56

Matrix: Solid

Date Received: 12/13/21 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 12:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			12/14/21 11:31	12/15/21 12:35	1
o-Terphenyl (Surr)	122		70 - 130			12/14/21 11:31	12/15/21 12:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	432		25.0	mg/Kg			12/20/21 03:03	5

Client Sample ID: S-1,10'

Lab Sample ID: 880-9270-4

Date Collected: 12/09/21 10:57

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/13/21 22:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/13/21 22:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/13/21 22:48	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/13/21 22:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/13/21 22:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/13/21 22:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			12/13/21 11:02	12/13/21 22:48	1
1,4-Difluorobenzene (Surr)	103		70 - 130			12/13/21 11:02	12/13/21 22:48	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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 12:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 12:57	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 12:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			12/14/21 11:31	12/15/21 12:57	1
o-Terphenyl (Surr)	114		70 - 130			12/14/21 11:31	12/15/21 12:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		4.98	mg/Kg			12/20/21 03:10	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-2,1'

Lab Sample ID: 880-9270-5

Date Collected: 12/09/21 11:12

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/13/21 11:02	12/13/21 23:09	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/13/21 11:02	12/13/21 23:09	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/13/21 11:02	12/13/21 23:09	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/13/21 11:02	12/13/21 23:09	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/13/21 11:02	12/13/21 23:09	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/13/21 11:02	12/13/21 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	12/13/21 11:02	12/13/21 23:09	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/13/21 11:02	12/13/21 23:09	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			12/20/21 15:38	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			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/14/21 11:31	12/15/21 13:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/14/21 11:31	12/15/21 13:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/14/21 11:31	12/15/21 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	12/14/21 11:31	12/15/21 13:18	1
o-Terphenyl (Surr)	106		70 - 130	12/14/21 11:31	12/15/21 13:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	473		4.99	mg/Kg			12/20/21 03:16	1

Client Sample ID: S-2,3'

Lab Sample ID: 880-9270-6

Date Collected: 12/09/21 11:13

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 23:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 23:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 23:29	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/13/21 11:02	12/13/21 23:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 23:29	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/21 11:02	12/13/21 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/13/21 11:02	12/13/21 23:29	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/13/21 11:02	12/13/21 23:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-2,3'

Lab Sample ID: 880-9270-6

Date Collected: 12/09/21 11:13

Matrix: Solid

Date Received: 12/13/21 09:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 13:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 13:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 13:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130	12/14/21 11:31	12/15/21 13:40	1
o-Terphenyl (Surr)	108		70 - 130	12/14/21 11:31	12/15/21 13:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	188		24.8	mg/Kg			12/19/21 18:56	5

Client Sample ID: S-2,5'

Lab Sample ID: 880-9270-7

Date Collected: 12/09/21 11:14

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 23:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 23:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 23:50	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/13/21 11:02	12/13/21 23:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 23:50	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/13/21 11:02	12/13/21 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/13/21 11:02	12/13/21 23:50	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/13/21 11:02	12/13/21 23:50	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			12/20/21 15:38	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			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/14/21 11:31	12/15/21 14:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/14/21 11:31	12/15/21 14:02	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-2,5'

Lab Sample ID: 880-9270-7

Date Collected: 12/09/21 11:14

Matrix: Solid

Date Received: 12/13/21 09:15

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		12/14/21 11:31	12/15/21 14:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			12/14/21 11:31	12/15/21 14:02	1
o-Terphenyl (Surr)	115		70 - 130			12/14/21 11:31	12/15/21 14:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.9		5.05	mg/Kg			12/19/21 19:16	1

Client Sample ID: S-2,10'

Lab Sample ID: 880-9270-8

Date Collected: 12/09/21 11:15

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/13/21 11:02	12/14/21 00:10	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/13/21 11:02	12/14/21 00:10	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/13/21 11:02	12/14/21 00:10	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/13/21 11:02	12/14/21 00:10	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/13/21 11:02	12/14/21 00:10	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/13/21 11:02	12/14/21 00:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			12/13/21 11:02	12/14/21 00:10	1
1,4-Difluorobenzene (Surr)	110		70 - 130			12/13/21 11:02	12/14/21 00:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 14:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 14:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 14:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			12/14/21 11:31	12/15/21 14:23	1
o-Terphenyl (Surr)	109		70 - 130			12/14/21 11:31	12/15/21 14:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		5.00	mg/Kg			12/16/21 00:04	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-3,1'

Lab Sample ID: 880-9270-9

Date Collected: 12/09/21 11:28

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 00:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 00:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 00:30	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/13/21 11:02	12/14/21 00:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 00:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/21 11:02	12/14/21 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	12/13/21 11:02	12/14/21 00:30	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/13/21 11:02	12/14/21 00:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 14:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 14:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130	12/14/21 11:31	12/15/21 14:45	1
o-Terphenyl (Surr)	122		70 - 130	12/14/21 11:31	12/15/21 14:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	386		5.01	mg/Kg			12/16/21 00:29	1

Client Sample ID: S-3,3'

Lab Sample ID: 880-9270-10

Date Collected: 12/09/21 11:29

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 00:51	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 00:51	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 00:51	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/14/21 00:51	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 00:51	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/14/21 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/13/21 11:02	12/14/21 00:51	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/13/21 11:02	12/14/21 00:51	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-3,3'

Lab Sample ID: 880-9270-10

Date Collected: 12/09/21 11:29

Matrix: Solid

Date Received: 12/13/21 09:15

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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 15:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 15:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 15:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			12/14/21 11:31	12/15/21 15:07	1
o-Terphenyl (Surr)	124		70 - 130			12/14/21 11:31	12/15/21 15:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		25.0	mg/Kg			12/16/21 00:37	5

Client Sample ID: S-3, 5'

Lab Sample ID: 880-9270-11

Date Collected: 12/09/21 11:30

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/13/21 11:02	12/14/21 02:12	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/13/21 11:02	12/14/21 02:12	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/13/21 11:02	12/14/21 02:12	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/13/21 11:02	12/14/21 02:12	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/13/21 11:02	12/14/21 02:12	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/13/21 11:02	12/14/21 02:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			12/13/21 11:02	12/14/21 02:12	1
1,4-Difluorobenzene (Surr)	106		70 - 130			12/13/21 11:02	12/14/21 02:12	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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 15:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 15:50	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-3, 5'

Lab Sample ID: 880-9270-11

Date Collected: 12/09/21 11:30

Matrix: Solid

Date Received: 12/13/21 09:15

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		12/14/21 11:31	12/15/21 15:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			12/14/21 11:31	12/15/21 15:50	1
o-Terphenyl (Surr)	110		70 - 130			12/14/21 11:31	12/15/21 15:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		24.9	mg/Kg			12/16/21 00:46	5

Client Sample ID: S-3,10'

Lab Sample ID: 880-9270-12

Date Collected: 12/09/21 11:31

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 02:33	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 02:33	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 02:33	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/14/21 02:33	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 02:33	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/14/21 02:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130			12/13/21 11:02	12/14/21 02:33	1
1,4-Difluorobenzene (Surr)	107		70 - 130			12/13/21 11:02	12/14/21 02:33	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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 16:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 16:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 16:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			12/14/21 11:31	12/15/21 16:12	1
o-Terphenyl (Surr)	124		70 - 130			12/14/21 11:31	12/15/21 16:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		4.99	mg/Kg			12/16/21 00:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-4,1'

Lab Sample ID: 880-9270-13

Date Collected: 12/09/21 11:49

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 02:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 02:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 02:53	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/13/21 11:02	12/14/21 02:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 02:53	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/13/21 11:02	12/14/21 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/13/21 11:02	12/14/21 02:53	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/13/21 11:02	12/14/21 02:53	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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 16:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 16:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	12/14/21 11:31	12/15/21 16:33	1
o-Terphenyl (Surr)	103		70 - 130	12/14/21 11:31	12/15/21 16:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	516		4.95	mg/Kg			12/16/21 01:19	1

Client Sample ID: S-4,3'

Lab Sample ID: 880-9270-14

Date Collected: 12/09/21 11:50

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 03:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 03:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 03:14	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/13/21 11:02	12/14/21 03:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 03:14	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/13/21 11:02	12/14/21 03:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	12/13/21 11:02	12/14/21 03:14	1
1,4-Difluorobenzene (Surr)	113		70 - 130	12/13/21 11:02	12/14/21 03:14	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-4,3'

Lab Sample ID: 880-9270-14

Date Collected: 12/09/21 11:50

Matrix: Solid

Date Received: 12/13/21 09:15

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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 16:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 16:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 16:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			12/14/21 11:31	12/15/21 16:55	1
o-Terphenyl (Surr)	116		70 - 130			12/14/21 11:31	12/15/21 16:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	425		5.00	mg/Kg			12/16/21 01:27	1

Client Sample ID: S-4,5'

Lab Sample ID: 880-9270-15

Date Collected: 12/09/21 11:51

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 03:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 03:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 03:34	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/13/21 11:02	12/14/21 03:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/14/21 03:34	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/13/21 11:02	12/14/21 03:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			12/13/21 11:02	12/14/21 03:34	1
1,4-Difluorobenzene (Surr)	105		70 - 130			12/13/21 11:02	12/14/21 03:34	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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 17:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 17:17	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-4,5'

Lab Sample ID: 880-9270-15

Date Collected: 12/09/21 11:51

Matrix: Solid

Date Received: 12/13/21 09:15

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		12/14/21 11:31	12/15/21 17:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130			12/14/21 11:31	12/15/21 17:17	1
o-Terphenyl (Surr)	108		70 - 130			12/14/21 11:31	12/15/21 17:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	257		25.2	mg/Kg			12/16/21 01:36	5

Client Sample ID: S-4,10'

Lab Sample ID: 880-9270-16

Date Collected: 12/09/21 11:52

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/13/21 11:02	12/14/21 03:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/13/21 11:02	12/14/21 03:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/13/21 11:02	12/14/21 03:55	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/13/21 11:02	12/14/21 03:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/13/21 11:02	12/14/21 03:55	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/13/21 11:02	12/14/21 03:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			12/13/21 11:02	12/14/21 03:55	1
1,4-Difluorobenzene (Surr)	102		70 - 130			12/13/21 11:02	12/14/21 03:55	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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 17:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 17:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/14/21 11:31	12/15/21 17:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			12/14/21 11:31	12/15/21 17:38	1
o-Terphenyl (Surr)	111		70 - 130			12/14/21 11:31	12/15/21 17:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	242		4.98	mg/Kg			12/16/21 01:44	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S5,1'

Lab Sample ID: 880-9270-17

Date Collected: 12/09/21 12:09

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 04:15	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 04:15	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 04:15	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/14/21 04:15	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 04:15	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/14/21 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	12/13/21 11:02	12/14/21 04:15	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/13/21 11:02	12/14/21 04:15	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			12/20/21 15:38	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			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/14/21 11:31	12/15/21 17:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/14/21 11:31	12/15/21 17:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/14/21 11:31	12/15/21 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130	12/14/21 11:31	12/15/21 17:59	1
o-Terphenyl (Surr)	128		70 - 130	12/14/21 11:31	12/15/21 17:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	643	F1	5.00	mg/Kg			12/18/21 13:13	1

Client Sample ID: S-5,3'

Lab Sample ID: 880-9270-18

Date Collected: 12/09/21 12:10

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 04:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 04:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 04:35	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/14/21 04:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 04:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/14/21 04:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	12/13/21 11:02	12/14/21 04:35	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/13/21 11:02	12/14/21 04:35	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-5,3'

Lab Sample ID: 880-9270-18

Date Collected: 12/09/21 12:10

Matrix: Solid

Date Received: 12/13/21 09:15

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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/13/21 11:25	12/13/21 14:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/13/21 11:25	12/13/21 14:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/13/21 11:25	12/13/21 14:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			12/13/21 11:25	12/13/21 14:54	1
o-Terphenyl (Surr)	88		70 - 130			12/13/21 11:25	12/13/21 14:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	433		4.95	mg/Kg			12/15/21 23:46	1

Client Sample ID: S-5,5'

Lab Sample ID: 880-9270-19

Date Collected: 12/09/21 12:11

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/13/21 11:02	12/14/21 04:56	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/13/21 11:02	12/14/21 04:56	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/13/21 11:02	12/14/21 04:56	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/13/21 11:02	12/14/21 04:56	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/13/21 11:02	12/14/21 04:56	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/13/21 11:02	12/14/21 04:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			12/13/21 11:02	12/14/21 04:56	1
1,4-Difluorobenzene (Surr)	106		70 - 130			12/13/21 11:02	12/14/21 04:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/13/21 11:25	12/13/21 15:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/13/21 11:25	12/13/21 15:15	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-5,5'

Lab Sample ID: 880-9270-19

Date Collected: 12/09/21 12:11

Matrix: Solid

Date Received: 12/13/21 09:15

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		12/13/21 11:25	12/13/21 15:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/13/21 11:25	12/13/21 15:15	1
o-Terphenyl (Surr)	84		70 - 130			12/13/21 11:25	12/13/21 15:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	257		25.0	mg/Kg			12/15/21 23:52	5

Client Sample ID: S-5,10'

Lab Sample ID: 880-9270-20

Date Collected: 12/09/21 12:12

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 05:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 05:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 05:16	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/14/21 05:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/13/21 11:02	12/14/21 05:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/13/21 11:02	12/14/21 05:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			12/13/21 11:02	12/14/21 05:16	1
1,4-Difluorobenzene (Surr)	107		70 - 130			12/13/21 11:02	12/14/21 05:16	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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/13/21 11:25	12/13/21 15:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/13/21 11:25	12/13/21 15:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/13/21 11:25	12/13/21 15:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130			12/13/21 11:25	12/13/21 15:36	1
o-Terphenyl (Surr)	84		70 - 130			12/13/21 11:25	12/13/21 15:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		5.04	mg/Kg			12/15/21 23:59	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-8,1'

Lab Sample ID: 880-9270-21

Date Collected: 12/09/21 12:29

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199	mg/Kg		12/17/21 07:45	12/17/21 11:52	1
Toluene	<0.00199	U F1	0.00199	mg/Kg		12/17/21 07:45	12/17/21 11:52	1
Ethylbenzene	<0.00199	U F1	0.00199	mg/Kg		12/17/21 07:45	12/17/21 11:52	1
m,p-Xylenes	<0.00398	U F1	0.00398	mg/Kg		12/17/21 07:45	12/17/21 11:52	1
o-Xylene	<0.00199	U F1	0.00199	mg/Kg		12/17/21 07:45	12/17/21 11:52	1
Xylenes, Total	<0.00398	U F1	0.00398	mg/Kg		12/17/21 07:45	12/17/21 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/17/21 07:45	12/17/21 11:52	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/17/21 07:45	12/17/21 11:52	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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/13/21 11:25	12/13/21 15:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/13/21 11:25	12/13/21 15:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/13/21 11:25	12/13/21 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130	12/13/21 11:25	12/13/21 15:57	1
o-Terphenyl (Surr)	84		70 - 130	12/13/21 11:25	12/13/21 15:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	451		4.98	mg/Kg			12/16/21 00:06	1

Client Sample ID: S-8,3'

Lab Sample ID: 880-9270-22

Date Collected: 12/09/21 12:30

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/17/21 07:45	12/17/21 12:13	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/17/21 07:45	12/17/21 12:13	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/17/21 07:45	12/17/21 12:13	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/17/21 07:45	12/17/21 12:13	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/17/21 07:45	12/17/21 12:13	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/17/21 07:45	12/17/21 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/17/21 07:45	12/17/21 12:13	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/17/21 07:45	12/17/21 12:13	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-8,3'

Lab Sample ID: 880-9270-22

Date Collected: 12/09/21 12:30

Matrix: Solid

Date Received: 12/13/21 09:15

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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/13/21 11:25	12/13/21 16:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/13/21 11:25	12/13/21 16:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/13/21 11:25	12/13/21 16:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/13/21 11:25	12/13/21 16:17	1
o-Terphenyl (Surr)	87		70 - 130			12/13/21 11:25	12/13/21 16:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	561		4.98	mg/Kg			12/16/21 00:12	1

Client Sample ID: S-8,5'

Lab Sample ID: 880-9270-23

Date Collected: 12/09/21 12:31

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/17/21 07:45	12/17/21 12:33	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/17/21 07:45	12/17/21 12:33	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/17/21 07:45	12/17/21 12:33	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/17/21 07:45	12/17/21 12:33	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/17/21 07:45	12/17/21 12:33	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/17/21 07:45	12/17/21 12:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			12/17/21 07:45	12/17/21 12:33	1
1,4-Difluorobenzene (Surr)	112		70 - 130			12/17/21 07:45	12/17/21 12:33	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			12/20/21 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/13/21 11:25	12/13/21 16:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/13/21 11:25	12/13/21 16:38	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-8,5'

Lab Sample ID: 880-9270-23

Date Collected: 12/09/21 12:31

Matrix: Solid

Date Received: 12/13/21 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/13/21 11:25	12/13/21 16:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/13/21 11:25	12/13/21 16:38	1
o-Terphenyl (Surr)	86		70 - 130			12/13/21 11:25	12/13/21 16:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	363		4.95	mg/Kg			12/16/21 00:19	1

Client Sample ID: S-8,10'

Lab Sample ID: 880-9270-24

Date Collected: 12/09/21 12:32

Matrix: Solid

Date Received: 12/13/21 09:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/17/21 07:45	12/17/21 12:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/17/21 07:45	12/17/21 12:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/17/21 07:45	12/17/21 12:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/17/21 07:45	12/17/21 12:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/17/21 07:45	12/17/21 12:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/17/21 07:45	12/17/21 12:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130			12/17/21 07:45	12/17/21 12:53	1
1,4-Difluorobenzene (Surr)	128		70 - 130			12/17/21 07:45	12/17/21 12:53	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			12/20/21 15:38	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			12/17/21 09:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		12/13/21 11:25	12/13/21 16:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/13/21 11:25	12/13/21 16:59	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/13/21 11:25	12/13/21 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/13/21 11:25	12/13/21 16:59	1
o-Terphenyl (Surr)	87		70 - 130			12/13/21 11:25	12/13/21 16:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	233		5.01	mg/Kg			12/16/21 00:39	1

Eurofins Xenco, Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-9270-1	S-1,1'	133 S1+	117
880-9270-1 MS	S-1,1'	111	103
880-9270-1 MSD	S-1,1'	107	101
880-9270-2	S-1,3'	127	84
880-9270-3	S-1,5'	138 S1+	117
880-9270-4	S-1,10'	125	103
880-9270-5	S-2,1'	130	105
880-9270-6	S-2,3'	108	106
880-9270-7	S-2,5'	119	86
880-9270-8	S-2,10'	114	110
880-9270-9	S-3,1'	127	107
880-9270-10	S-3,3'	111	105
880-9270-11	S-3, 5'	116	106
880-9270-12	S-3,10'	129	107
880-9270-13	S-4,1'	110	104
880-9270-14	S-4,3'	137 S1+	113
880-9270-15	S-4,5'	110	105
880-9270-16	S-4,10'	112	102
880-9270-17	S5,1'	134 S1+	83
880-9270-18	S-5,3'	130	91
880-9270-19	S-5,5'	120	106
880-9270-20	S-5,10'	125	107
880-9270-21	S-8,1'	119	108
880-9270-21 MS	S-8,1'	109	100
880-9270-21 MSD	S-8,1'	106	95
880-9270-22	S-8,3'	115	104
880-9270-23	S-8,5'	127	112
880-9270-24	S-8,10'	126	128
LCS 880-14634/1-A	Lab Control Sample	99	100
LCS 880-14948/1-A	Lab Control Sample	103	97
LCSD 880-14634/2-A	Lab Control Sample Dup	106	101
LCSD 880-14948/2-A	Lab Control Sample Dup	102	95
MB 880-14447/5-B	Method Blank	132 S1+	105
MB 880-14634/5-A	Method Blank	110	109
MB 880-14948/5-A	Method Blank	115	108

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-9270-1	S-1,1'	102	124
880-9270-1 MS	S-1,1'	73	79
880-9270-1 MSD	S-1,1'	60 S1-	65 S1-
880-9270-2	S-1,3'	92	104

Eurofins Xenco, Midland

Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-9270-1

Project/Site: CB Cal 25 36

SDG: 21-0100-19

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-9270-3	S-1,5'	104	122
880-9270-4	S-1,10'	97	114
880-9270-5	S-2,1'	91	106
880-9270-6	S-2,3'	92	108
880-9270-7	S-2,5'	99	115
880-9270-8	S-2,10'	94	109
880-9270-9	S-3,1'	103	122
880-9270-10	S-3,3'	104	124
880-9270-11	S-3, 5'	95	110
880-9270-12	S-3,10'	107	124
880-9270-13	S-4,1'	90	103
880-9270-14	S-4,3'	102	116
880-9270-15	S-4,5'	96	108
880-9270-16	S-4,10'	99	111
880-9270-17	S5,1'	112	128
880-9270-18	S-5,3'	91	88
880-9270-19	S-5,5'	89	84
880-9270-20	S-5,10'	86	84
880-9270-21	S-8,1'	86	84
880-9270-22	S-8,3'	89	87
880-9270-23	S-8,5'	89	86
880-9270-24	S-8,10'	89	87
890-1696-A-1-F MS	Matrix Spike	86	83
890-1696-A-1-G MSD	Matrix Spike Duplicate	80	82
LCS 880-14776/2-A	Lab Control Sample	98	102
LCSD 880-14776/3-A	Lab Control Sample Dup	103	102
MB 880-14776/1-A	Method Blank	89	104

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (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	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-14600/2-A	Lab Control Sample	91	89
LCSD 880-14600/3-A	Lab Control Sample Dup	101	105
MB 880-14600/1-A	Method Blank	115	106

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-14447/5-B

Matrix: Solid

Analysis Batch: 14589

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14447

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/21 07:30	12/13/21 10:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/21 07:30	12/13/21 10:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/21 07:30	12/13/21 10:34	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/13/21 07:30	12/13/21 10:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/21 07:30	12/13/21 10:34	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/21 07:30	12/13/21 10:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	12/13/21 07:30	12/13/21 10:34	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/13/21 07:30	12/13/21 10:34	1

Lab Sample ID: MB 880-14634/5-A

Matrix: Solid

Analysis Batch: 14589

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14634

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 21:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 21:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 21:26	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/13/21 11:02	12/13/21 21:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/13/21 11:02	12/13/21 21:26	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/13/21 11:02	12/13/21 21:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/13/21 11:02	12/13/21 21:26	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/13/21 11:02	12/13/21 21:26	1

Lab Sample ID: LCS 880-14634/1-A

Matrix: Solid

Analysis Batch: 14589

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08507		mg/Kg		85	70 - 130
Toluene	0.100	0.08186		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.07749		mg/Kg		77	70 - 130
m,p-Xylenes	0.200	0.1610		mg/Kg		81	70 - 130
o-Xylene	0.100	0.07546		mg/Kg		75	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-14634/2-A

Matrix: Solid

Analysis Batch: 14589

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14634

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09294		mg/Kg		93	70 - 130	9	35

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

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

Lab Sample ID: LCSD 880-14634/2-A

Matrix: Solid

Analysis Batch: 14589

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14634

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.08930		mg/Kg		89	70 - 130	9	35
Ethylbenzene	0.100	0.08700		mg/Kg		87	70 - 130	12	35
m,p-Xylenes	0.200	0.1818		mg/Kg		91	70 - 130	12	35
o-Xylene	0.100	0.08935		mg/Kg		89	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-9270-1 MS

Matrix: Solid

Analysis Batch: 14589

Client Sample ID: S-1,1'

Prep Type: Total/NA

Prep Batch: 14634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00201	U F1	0.100	0.07915		mg/Kg		79	70 - 130
Toluene	<0.00201	U F1	0.100	0.07532		mg/Kg		75	70 - 130
Ethylbenzene	<0.00201	U F1	0.100	0.07438		mg/Kg		74	70 - 130
m,p-Xylenes	<0.00402	U F1	0.201	0.1532		mg/Kg		76	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.07537		mg/Kg		74	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-9270-1 MSD

Matrix: Solid

Analysis Batch: 14589

Client Sample ID: S-1,1'

Prep Type: Total/NA

Prep Batch: 14634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.100	0.06745	F1	mg/Kg		67	70 - 130	16	35
Toluene	<0.00201	U F1	0.100	0.06231	F1	mg/Kg		62	70 - 130	19	35
Ethylbenzene	<0.00201	U F1	0.100	0.06223	F1	mg/Kg		62	70 - 130	18	35
m,p-Xylenes	<0.00402	U F1	0.200	0.1260	F1	mg/Kg		63	70 - 130	19	35
o-Xylene	<0.00201	U F1	0.100	0.06163	F1	mg/Kg		61	70 - 130	20	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-14948/5-A

Matrix: Solid

Analysis Batch: 15017

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14948

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/17/21 07:45	12/17/21 11:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/17/21 07:45	12/17/21 11:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/17/21 07:45	12/17/21 11:31	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/17/21 07:45	12/17/21 11:31	1

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

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

Lab Sample ID: MB 880-14948/5-A

Matrix: Solid

Analysis Batch: 15017

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14948

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/17/21 07:45	12/17/21 11:31	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/17/21 07:45	12/17/21 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/17/21 07:45	12/17/21 11:31	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/17/21 07:45	12/17/21 11:31	1

Lab Sample ID: LCS 880-14948/1-A

Matrix: Solid

Analysis Batch: 15017

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14948

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07475		mg/Kg		75	70 - 130
Toluene	0.100	0.07368		mg/Kg		74	70 - 130
Ethylbenzene	0.100	0.07658		mg/Kg		77	70 - 130
m,p-Xylenes	0.200	0.1602		mg/Kg		80	70 - 130
o-Xylene	0.100	0.07919		mg/Kg		79	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-14948/2-A

Matrix: Solid

Analysis Batch: 15017

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14948

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.07437		mg/Kg		74	70 - 130	1	35
Toluene	0.100	0.07413		mg/Kg		74	70 - 130	1	35
Ethylbenzene	0.100	0.07081		mg/Kg		71	70 - 130	8	35
m,p-Xylenes	0.200	0.1468		mg/Kg		73	70 - 130	9	35
o-Xylene	0.100	0.07575		mg/Kg		76	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-9270-21 MS

Matrix: Solid

Analysis Batch: 15017

Client Sample ID: S-8,1'

Prep Type: Total/NA

Prep Batch: 14948

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1	0.0994	0.06210	F1	mg/Kg		62	70 - 130
Toluene	<0.00199	U F1	0.0994	0.06033	F1	mg/Kg		61	70 - 130
Ethylbenzene	<0.00199	U F1	0.0994	0.06165	F1	mg/Kg		62	70 - 130
m,p-Xylenes	<0.00398	U F1	0.199	0.1291	F1	mg/Kg		65	70 - 130
o-Xylene	<0.00199	U F1	0.0994	0.06691	F1	mg/Kg		67	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

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

Lab Sample ID: 880-9270-21 MS

Matrix: Solid

Analysis Batch: 15017

Client Sample ID: S-8,1'

Prep Type: Total/NA

Prep Batch: 14948

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-9270-21 MSD

Matrix: Solid

Analysis Batch: 15017

Client Sample ID: S-8,1'

Prep Type: Total/NA

Prep Batch: 14948

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.06118	F1	mg/Kg		61	70 - 130	2	35
Toluene	<0.00199	U F1	0.100	0.06189	F1	mg/Kg		62	70 - 130	3	35
Ethylbenzene	<0.00199	U F1	0.100	0.06189	F1	mg/Kg		62	70 - 130	0	35
m,p-Xylenes	<0.00398	U F1	0.200	0.1306	F1	mg/Kg		65	70 - 130	1	35
o-Xylene	<0.00199	U F1	0.100	0.06416	F1	mg/Kg		64	70 - 130	4	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-14600/1-A

Matrix: Solid

Analysis Batch: 14597

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14600

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		12/13/21 08:30	12/13/21 09:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/13/21 08:30	12/13/21 09:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/13/21 08:30	12/13/21 09:22	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	115		70 - 130	12/13/21 08:30	12/13/21 09:22	1		
o-Terphenyl (Surr)	106		70 - 130	12/13/21 08:30	12/13/21 09:22	1		

Lab Sample ID: LCS 880-14600/2-A

Matrix: Solid

Analysis Batch: 14597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14600

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	831.7		mg/Kg		83	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	788.6		mg/Kg		79	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	91		70 - 130
o-Terphenyl (Surr)	89		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

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

Lab Sample ID: LCSD 880-14600/3-A

Matrix: Solid

Analysis Batch: 14597

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14600

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	849.9		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	849.6		mg/Kg		85	70 - 130	7	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	101		70 - 130						
o-Terphenyl (Surr)	105		70 - 130						

Lab Sample ID: 890-1696-A-1-F MS

Matrix: Solid

Analysis Batch: 14597

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 14600

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1130		mg/Kg		112	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1264		mg/Kg		127	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	86		70 - 130								
o-Terphenyl (Surr)	83		70 - 130								

Lab Sample ID: 890-1696-A-1-G MSD

Matrix: Solid

Analysis Batch: 14597

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 14600

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1132		mg/Kg		112	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1267		mg/Kg		127	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	80		70 - 130								
o-Terphenyl (Surr)	82		70 - 130								

Lab Sample ID: MB 880-14776/1-A

Matrix: Solid

Analysis Batch: 14800

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14776

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		12/14/21 11:31	12/15/21 10:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 10:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/14/21 11:31	12/15/21 10:05	1

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

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

Lab Sample ID: MB 880-14776/1-A

Matrix: Solid

Analysis Batch: 14800

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14776

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
1-Chlorooctane (Surr)	89		70 - 130	12/14/21 11:31	12/15/21 10:05	1				
o-Terphenyl (Surr)	104		70 - 130	12/14/21 11:31	12/15/21 10:05	1				

Lab Sample ID: LCS 880-14776/2-A

Matrix: Solid

Analysis Batch: 14800

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14776

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	945.0		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1042		mg/Kg		104	70 - 130		

Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	98		70 - 130								
o-Terphenyl (Surr)	102		70 - 130								

Lab Sample ID: LCSD 880-14776/3-A

Matrix: Solid

Analysis Batch: 14800

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14776

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	804.8		mg/Kg		80	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	888.6		mg/Kg		89	70 - 130	16	20

Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	103		70 - 130								
o-Terphenyl (Surr)	102		70 - 130								

Lab Sample ID: 880-9270-1 MS

Matrix: Solid

Analysis Batch: 14800

Client Sample ID: S-1,1'

Prep Type: Total/NA

Prep Batch: 14776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	997	1180		mg/Kg		116	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	752.4		mg/Kg		75	70 - 130		

Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	73		70 - 130								
o-Terphenyl (Surr)	79		70 - 130								

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

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

Lab Sample ID: 880-9270-1 MSD

Matrix: Solid

Analysis Batch: 14800

Client Sample ID: S-1,1'

Prep Type: Total/NA

Prep Batch: 14776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	999	831.4	F2	mg/Kg		81	70 - 130	35	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	625.3	F1	mg/Kg		63	70 - 130	18	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	60	S1-	70 - 130								
o-Terphenyl (Surr)	65	S1-	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-14831/1-A

Matrix: Solid

Analysis Batch: 14924

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			12/15/21 21:36	1

Lab Sample ID: LCS 880-14831/2-A

Matrix: Solid

Analysis Batch: 14924

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	262.2		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-14831/3-A

Matrix: Solid

Analysis Batch: 14924

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	262.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-9270-23 MS

Matrix: Solid

Analysis Batch: 14924

Client Sample ID: S-8,5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	363		248	606.3		mg/Kg		98	90 - 110

Lab Sample ID: 880-9270-23 MSD

Matrix: Solid

Analysis Batch: 14924

Client Sample ID: S-8,5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	363		248	608.2		mg/Kg		99	90 - 110	0	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-14837/1-A

Matrix: Solid

Analysis Batch: 14927

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			12/15/21 23:39	1

Lab Sample ID: LCS 880-14837/2-A

Matrix: Solid

Analysis Batch: 14927

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	245.4		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-14837/3-A

Matrix: Solid

Analysis Batch: 14927

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	245.4		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-9270-8 MS

Matrix: Solid

Analysis Batch: 14927

Client Sample ID: S-2,10'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	101		250	340.1		mg/Kg		96	90 - 110

Lab Sample ID: 880-9270-8 MSD

Matrix: Solid

Analysis Batch: 14927

Client Sample ID: S-2,10'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	101		250	340.9		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-14835/1-A

Matrix: Solid

Analysis Batch: 14984

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			12/20/21 02:17	1

Lab Sample ID: LCS 880-14835/2-A

Matrix: Solid

Analysis Batch: 14984

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	268.8		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-14835/3-A

Matrix: Solid

Analysis Batch: 14984

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	271.0		mg/Kg		108	90 - 110	1	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-9270-1 MS

Matrix: Solid

Analysis Batch: 14984

Client Sample ID: S-1,1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	653		250	895.1		mg/Kg		97	90 - 110

Lab Sample ID: 880-9270-1 MSD

Matrix: Solid

Analysis Batch: 14984

Client Sample ID: S-1,1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	653		250	906.2		mg/Kg		101	90 - 110	1	20

Lab Sample ID: MB 880-14838/1-A

Matrix: Solid

Analysis Batch: 15047

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			12/18/21 12:53	1

Lab Sample ID: LCS 880-14838/2-A

Matrix: Solid

Analysis Batch: 15047

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	269.8		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-14838/3-A

Matrix: Solid

Analysis Batch: 15047

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	275.0		mg/Kg		110	90 - 110	2	20

Lab Sample ID: 880-9270-17 MS

Matrix: Solid

Analysis Batch: 15047

Client Sample ID: S5,1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	643	F1	250	917.6		mg/Kg		110	90 - 110

Lab Sample ID: 880-9270-17 MSD

Matrix: Solid

Analysis Batch: 15047

Client Sample ID: S5,1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	643	F1	250	923.0	F1	mg/Kg		112	90 - 110	1	20

Lab Sample ID: MB 880-14988/1-A

Matrix: Solid

Analysis Batch: 15126

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			12/19/21 18:36	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-14988/2-A

Matrix: Solid

Analysis Batch: 15126

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	255.7		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-14988/3-A

Matrix: Solid

Analysis Batch: 15126

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	251.5		mg/Kg		101	90 - 110	2	20

Lab Sample ID: 880-9270-6 MS

Matrix: Solid

Analysis Batch: 15126

Client Sample ID: S-2,3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	188		1240	1433		mg/Kg		101	90 - 110

Lab Sample ID: 880-9270-6 MSD

Matrix: Solid

Analysis Batch: 15126

Client Sample ID: S-2,3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	188		1240	1441		mg/Kg		101	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

GC VOA

Prep Batch: 14447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-14447/5-B	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 14589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-1	S-1,1'	Total/NA	Solid	8021B	14634
880-9270-2	S-1,3'	Total/NA	Solid	8021B	14634
880-9270-3	S-1,5'	Total/NA	Solid	8021B	14634
880-9270-4	S-1,10'	Total/NA	Solid	8021B	14634
880-9270-5	S-2,1'	Total/NA	Solid	8021B	14634
880-9270-6	S-2,3'	Total/NA	Solid	8021B	14634
880-9270-7	S-2,5'	Total/NA	Solid	8021B	14634
880-9270-8	S-2,10'	Total/NA	Solid	8021B	14634
880-9270-9	S-3,1'	Total/NA	Solid	8021B	14634
880-9270-10	S-3,3'	Total/NA	Solid	8021B	14634
880-9270-11	S-3, 5'	Total/NA	Solid	8021B	14634
880-9270-12	S-3,10'	Total/NA	Solid	8021B	14634
880-9270-13	S-4,1'	Total/NA	Solid	8021B	14634
880-9270-14	S-4,3'	Total/NA	Solid	8021B	14634
880-9270-15	S-4,5'	Total/NA	Solid	8021B	14634
880-9270-16	S-4,10'	Total/NA	Solid	8021B	14634
880-9270-17	S5,1'	Total/NA	Solid	8021B	14634
880-9270-18	S-5,3'	Total/NA	Solid	8021B	14634
880-9270-19	S-5,5'	Total/NA	Solid	8021B	14634
880-9270-20	S-5,10'	Total/NA	Solid	8021B	14634
MB 880-14447/5-B	Method Blank	Total/NA	Solid	8021B	14447
MB 880-14634/5-A	Method Blank	Total/NA	Solid	8021B	14634
LCS 880-14634/1-A	Lab Control Sample	Total/NA	Solid	8021B	14634
LCSD 880-14634/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	14634
880-9270-1 MS	S-1,1'	Total/NA	Solid	8021B	14634
880-9270-1 MSD	S-1,1'	Total/NA	Solid	8021B	14634

Prep Batch: 14634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-1	S-1,1'	Total/NA	Solid	5035	
880-9270-2	S-1,3'	Total/NA	Solid	5035	
880-9270-3	S-1,5'	Total/NA	Solid	5035	
880-9270-4	S-1,10'	Total/NA	Solid	5035	
880-9270-5	S-2,1'	Total/NA	Solid	5035	
880-9270-6	S-2,3'	Total/NA	Solid	5035	
880-9270-7	S-2,5'	Total/NA	Solid	5035	
880-9270-8	S-2,10'	Total/NA	Solid	5035	
880-9270-9	S-3,1'	Total/NA	Solid	5035	
880-9270-10	S-3,3'	Total/NA	Solid	5035	
880-9270-11	S-3, 5'	Total/NA	Solid	5035	
880-9270-12	S-3,10'	Total/NA	Solid	5035	
880-9270-13	S-4,1'	Total/NA	Solid	5035	
880-9270-14	S-4,3'	Total/NA	Solid	5035	
880-9270-15	S-4,5'	Total/NA	Solid	5035	
880-9270-16	S-4,10'	Total/NA	Solid	5035	
880-9270-17	S5,1'	Total/NA	Solid	5035	
880-9270-18	S-5,3'	Total/NA	Solid	5035	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

GC VOA (Continued)

Prep Batch: 14634 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-19	S-5,5'	Total/NA	Solid	5035	
880-9270-20	S-5,10'	Total/NA	Solid	5035	
MB 880-14634/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-14634/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-14634/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9270-1 MS	S-1,1'	Total/NA	Solid	5035	
880-9270-1 MSD	S-1,1'	Total/NA	Solid	5035	

Prep Batch: 14948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-21	S-8,1'	Total/NA	Solid	5035	
880-9270-22	S-8,3'	Total/NA	Solid	5035	
880-9270-23	S-8,5'	Total/NA	Solid	5035	
880-9270-24	S-8,10'	Total/NA	Solid	5035	
MB 880-14948/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-14948/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-14948/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9270-21 MS	S-8,1'	Total/NA	Solid	5035	
880-9270-21 MSD	S-8,1'	Total/NA	Solid	5035	

Analysis Batch: 15017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-21	S-8,1'	Total/NA	Solid	8021B	14948
880-9270-22	S-8,3'	Total/NA	Solid	8021B	14948
880-9270-23	S-8,5'	Total/NA	Solid	8021B	14948
880-9270-24	S-8,10'	Total/NA	Solid	8021B	14948
MB 880-14948/5-A	Method Blank	Total/NA	Solid	8021B	14948
LCS 880-14948/1-A	Lab Control Sample	Total/NA	Solid	8021B	14948
LCSD 880-14948/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	14948
880-9270-21 MS	S-8,1'	Total/NA	Solid	8021B	14948
880-9270-21 MSD	S-8,1'	Total/NA	Solid	8021B	14948

Analysis Batch: 15211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-1	S-1,1'	Total/NA	Solid	Total BTEX	
880-9270-2	S-1,3'	Total/NA	Solid	Total BTEX	
880-9270-3	S-1,5'	Total/NA	Solid	Total BTEX	
880-9270-4	S-1,10'	Total/NA	Solid	Total BTEX	
880-9270-5	S-2,1'	Total/NA	Solid	Total BTEX	
880-9270-6	S-2,3'	Total/NA	Solid	Total BTEX	
880-9270-7	S-2,5'	Total/NA	Solid	Total BTEX	
880-9270-8	S-2,10'	Total/NA	Solid	Total BTEX	
880-9270-9	S-3,1'	Total/NA	Solid	Total BTEX	
880-9270-10	S-3,3'	Total/NA	Solid	Total BTEX	
880-9270-11	S-3, 5'	Total/NA	Solid	Total BTEX	
880-9270-12	S-3,10'	Total/NA	Solid	Total BTEX	
880-9270-13	S-4,1'	Total/NA	Solid	Total BTEX	
880-9270-14	S-4,3'	Total/NA	Solid	Total BTEX	
880-9270-15	S-4,5'	Total/NA	Solid	Total BTEX	
880-9270-16	S-4,10'	Total/NA	Solid	Total BTEX	
880-9270-17	S5,1'	Total/NA	Solid	Total BTEX	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

GC VOA (Continued)

Analysis Batch: 15211 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-18	S-5,3'	Total/NA	Solid	Total BTEX	
880-9270-19	S-5,5'	Total/NA	Solid	Total BTEX	
880-9270-20	S-5,10'	Total/NA	Solid	Total BTEX	
880-9270-21	S-8,1'	Total/NA	Solid	Total BTEX	
880-9270-22	S-8,3'	Total/NA	Solid	Total BTEX	
880-9270-23	S-8,5'	Total/NA	Solid	Total BTEX	
880-9270-24	S-8,10'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 14597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-18	S-5,3'	Total/NA	Solid	8015B NM	14600
880-9270-19	S-5,5'	Total/NA	Solid	8015B NM	14600
880-9270-20	S-5,10'	Total/NA	Solid	8015B NM	14600
880-9270-21	S-8,1'	Total/NA	Solid	8015B NM	14600
880-9270-22	S-8,3'	Total/NA	Solid	8015B NM	14600
880-9270-23	S-8,5'	Total/NA	Solid	8015B NM	14600
880-9270-24	S-8,10'	Total/NA	Solid	8015B NM	14600
MB 880-14600/1-A	Method Blank	Total/NA	Solid	8015B NM	14600
LCS 880-14600/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14600
LCSD 880-14600/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14600
890-1696-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	14600
890-1696-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	14600

Prep Batch: 14600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-18	S-5,3'	Total/NA	Solid	8015NM Prep	
880-9270-19	S-5,5'	Total/NA	Solid	8015NM Prep	
880-9270-20	S-5,10'	Total/NA	Solid	8015NM Prep	
880-9270-21	S-8,1'	Total/NA	Solid	8015NM Prep	
880-9270-22	S-8,3'	Total/NA	Solid	8015NM Prep	
880-9270-23	S-8,5'	Total/NA	Solid	8015NM Prep	
880-9270-24	S-8,10'	Total/NA	Solid	8015NM Prep	
MB 880-14600/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14600/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14600/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1696-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1696-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 14776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-1	S-1,1'	Total/NA	Solid	8015NM Prep	
880-9270-2	S-1,3'	Total/NA	Solid	8015NM Prep	
880-9270-3	S-1,5'	Total/NA	Solid	8015NM Prep	
880-9270-4	S-1,10'	Total/NA	Solid	8015NM Prep	
880-9270-5	S-2,1'	Total/NA	Solid	8015NM Prep	
880-9270-6	S-2,3'	Total/NA	Solid	8015NM Prep	
880-9270-7	S-2,5'	Total/NA	Solid	8015NM Prep	
880-9270-8	S-2,10'	Total/NA	Solid	8015NM Prep	
880-9270-9	S-3,1'	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

GC Semi VOA (Continued)

Prep Batch: 14776 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-10	S-3,3'	Total/NA	Solid	8015NM Prep	
880-9270-11	S-3, 5'	Total/NA	Solid	8015NM Prep	
880-9270-12	S-3,10'	Total/NA	Solid	8015NM Prep	
880-9270-13	S-4,1'	Total/NA	Solid	8015NM Prep	
880-9270-14	S-4,3'	Total/NA	Solid	8015NM Prep	
880-9270-15	S-4,5'	Total/NA	Solid	8015NM Prep	
880-9270-16	S-4,10'	Total/NA	Solid	8015NM Prep	
880-9270-17	S5,1'	Total/NA	Solid	8015NM Prep	
MB 880-14776/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14776/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14776/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9270-1 MS	S-1,1'	Total/NA	Solid	8015NM Prep	
880-9270-1 MSD	S-1,1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 14800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-1	S-1,1'	Total/NA	Solid	8015B NM	14776
880-9270-2	S-1,3'	Total/NA	Solid	8015B NM	14776
880-9270-3	S-1,5'	Total/NA	Solid	8015B NM	14776
880-9270-4	S-1,10'	Total/NA	Solid	8015B NM	14776
880-9270-5	S-2,1'	Total/NA	Solid	8015B NM	14776
880-9270-6	S-2,3'	Total/NA	Solid	8015B NM	14776
880-9270-7	S-2,5'	Total/NA	Solid	8015B NM	14776
880-9270-8	S-2,10'	Total/NA	Solid	8015B NM	14776
880-9270-9	S-3,1'	Total/NA	Solid	8015B NM	14776
880-9270-10	S-3,3'	Total/NA	Solid	8015B NM	14776
880-9270-11	S-3, 5'	Total/NA	Solid	8015B NM	14776
880-9270-12	S-3,10'	Total/NA	Solid	8015B NM	14776
880-9270-13	S-4,1'	Total/NA	Solid	8015B NM	14776
880-9270-14	S-4,3'	Total/NA	Solid	8015B NM	14776
880-9270-15	S-4,5'	Total/NA	Solid	8015B NM	14776
880-9270-16	S-4,10'	Total/NA	Solid	8015B NM	14776
880-9270-17	S5,1'	Total/NA	Solid	8015B NM	14776
MB 880-14776/1-A	Method Blank	Total/NA	Solid	8015B NM	14776
LCS 880-14776/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14776
LCSD 880-14776/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14776
880-9270-1 MS	S-1,1'	Total/NA	Solid	8015B NM	14776
880-9270-1 MSD	S-1,1'	Total/NA	Solid	8015B NM	14776

Analysis Batch: 15045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-1	S-1,1'	Total/NA	Solid	8015 NM	
880-9270-2	S-1,3'	Total/NA	Solid	8015 NM	
880-9270-3	S-1,5'	Total/NA	Solid	8015 NM	
880-9270-4	S-1,10'	Total/NA	Solid	8015 NM	
880-9270-5	S-2,1'	Total/NA	Solid	8015 NM	
880-9270-6	S-2,3'	Total/NA	Solid	8015 NM	
880-9270-7	S-2,5'	Total/NA	Solid	8015 NM	
880-9270-8	S-2,10'	Total/NA	Solid	8015 NM	
880-9270-9	S-3,1'	Total/NA	Solid	8015 NM	
880-9270-10	S-3,3'	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

GC Semi VOA (Continued)

Analysis Batch: 15045 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-11	S-3, 5'	Total/NA	Solid	8015 NM	
880-9270-12	S-3,10'	Total/NA	Solid	8015 NM	
880-9270-13	S-4,1'	Total/NA	Solid	8015 NM	
880-9270-14	S-4,3'	Total/NA	Solid	8015 NM	
880-9270-15	S-4,5'	Total/NA	Solid	8015 NM	
880-9270-16	S-4,10'	Total/NA	Solid	8015 NM	
880-9270-17	S5,1'	Total/NA	Solid	8015 NM	
880-9270-18	S-5,3'	Total/NA	Solid	8015 NM	
880-9270-19	S-5,5'	Total/NA	Solid	8015 NM	
880-9270-20	S-5,10'	Total/NA	Solid	8015 NM	
880-9270-21	S-8,1'	Total/NA	Solid	8015 NM	
880-9270-22	S-8,3'	Total/NA	Solid	8015 NM	
880-9270-23	S-8,5'	Total/NA	Solid	8015 NM	
880-9270-24	S-8,10'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 14831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-18	S-5,3'	Soluble	Solid	DI Leach	
880-9270-19	S-5,5'	Soluble	Solid	DI Leach	
880-9270-20	S-5,10'	Soluble	Solid	DI Leach	
880-9270-21	S-8,1'	Soluble	Solid	DI Leach	
880-9270-22	S-8,3'	Soluble	Solid	DI Leach	
880-9270-23	S-8,5'	Soluble	Solid	DI Leach	
880-9270-24	S-8,10'	Soluble	Solid	DI Leach	
MB 880-14831/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14831/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14831/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9270-23 MS	S-8,5'	Soluble	Solid	DI Leach	
880-9270-23 MSD	S-8,5'	Soluble	Solid	DI Leach	

Leach Batch: 14835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-1	S-1,1'	Soluble	Solid	DI Leach	
880-9270-2	S-1,3'	Soluble	Solid	DI Leach	
880-9270-3	S-1,5'	Soluble	Solid	DI Leach	
880-9270-4	S-1,10'	Soluble	Solid	DI Leach	
880-9270-5	S-2,1'	Soluble	Solid	DI Leach	
MB 880-14835/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14835/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14835/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9270-1 MS	S-1,1'	Soluble	Solid	DI Leach	
880-9270-1 MSD	S-1,1'	Soluble	Solid	DI Leach	

Leach Batch: 14837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-8	S-2,10'	Soluble	Solid	DI Leach	
880-9270-9	S-3,1'	Soluble	Solid	DI Leach	
880-9270-10	S-3,3'	Soluble	Solid	DI Leach	
880-9270-11	S-3, 5'	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

HPLC/IC (Continued)

Leach Batch: 14837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-12	S-3,10'	Soluble	Solid	DI Leach	
880-9270-13	S-4,1'	Soluble	Solid	DI Leach	
880-9270-14	S-4,3'	Soluble	Solid	DI Leach	
880-9270-15	S-4,5'	Soluble	Solid	DI Leach	
880-9270-16	S-4,10'	Soluble	Solid	DI Leach	
MB 880-14837/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14837/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14837/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9270-8 MS	S-2,10'	Soluble	Solid	DI Leach	
880-9270-8 MSD	S-2,10'	Soluble	Solid	DI Leach	

Leach Batch: 14838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-17	S5,1'	Soluble	Solid	DI Leach	
MB 880-14838/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14838/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14838/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9270-17 MS	S5,1'	Soluble	Solid	DI Leach	
880-9270-17 MSD	S5,1'	Soluble	Solid	DI Leach	

Analysis Batch: 14924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-18	S-5,3'	Soluble	Solid	300.0	14831
880-9270-19	S-5,5'	Soluble	Solid	300.0	14831
880-9270-20	S-5,10'	Soluble	Solid	300.0	14831
880-9270-21	S-8,1'	Soluble	Solid	300.0	14831
880-9270-22	S-8,3'	Soluble	Solid	300.0	14831
880-9270-23	S-8,5'	Soluble	Solid	300.0	14831
880-9270-24	S-8,10'	Soluble	Solid	300.0	14831
MB 880-14831/1-A	Method Blank	Soluble	Solid	300.0	14831
LCS 880-14831/2-A	Lab Control Sample	Soluble	Solid	300.0	14831
LCSD 880-14831/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14831
880-9270-23 MS	S-8,5'	Soluble	Solid	300.0	14831
880-9270-23 MSD	S-8,5'	Soluble	Solid	300.0	14831

Analysis Batch: 14927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-8	S-2,10'	Soluble	Solid	300.0	14837
880-9270-9	S-3,1'	Soluble	Solid	300.0	14837
880-9270-10	S-3,3'	Soluble	Solid	300.0	14837
880-9270-11	S-3, 5'	Soluble	Solid	300.0	14837
880-9270-12	S-3,10'	Soluble	Solid	300.0	14837
880-9270-13	S-4,1'	Soluble	Solid	300.0	14837
880-9270-14	S-4,3'	Soluble	Solid	300.0	14837
880-9270-15	S-4,5'	Soluble	Solid	300.0	14837
880-9270-16	S-4,10'	Soluble	Solid	300.0	14837
MB 880-14837/1-A	Method Blank	Soluble	Solid	300.0	14837
LCS 880-14837/2-A	Lab Control Sample	Soluble	Solid	300.0	14837
LCSD 880-14837/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14837
880-9270-8 MS	S-2,10'	Soluble	Solid	300.0	14837
880-9270-8 MSD	S-2,10'	Soluble	Solid	300.0	14837

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

HPLC/IC

Analysis Batch: 14984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-1	S-1,1'	Soluble	Solid	300.0	14835
880-9270-2	S-1,3'	Soluble	Solid	300.0	14835
880-9270-3	S-1,5'	Soluble	Solid	300.0	14835
880-9270-4	S-1,10'	Soluble	Solid	300.0	14835
880-9270-5	S-2,1'	Soluble	Solid	300.0	14835
MB 880-14835/1-A	Method Blank	Soluble	Solid	300.0	14835
LCS 880-14835/2-A	Lab Control Sample	Soluble	Solid	300.0	14835
LCSD 880-14835/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14835
880-9270-1 MS	S-1,1'	Soluble	Solid	300.0	14835
880-9270-1 MSD	S-1,1'	Soluble	Solid	300.0	14835

Leach Batch: 14988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-6	S-2,3'	Soluble	Solid	DI Leach	
880-9270-7	S-2,5'	Soluble	Solid	DI Leach	
MB 880-14988/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14988/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14988/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9270-6 MS	S-2,3'	Soluble	Solid	DI Leach	
880-9270-6 MSD	S-2,3'	Soluble	Solid	DI Leach	

Analysis Batch: 15047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-17	S5,1'	Soluble	Solid	300.0	14838
MB 880-14838/1-A	Method Blank	Soluble	Solid	300.0	14838
LCS 880-14838/2-A	Lab Control Sample	Soluble	Solid	300.0	14838
LCSD 880-14838/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14838
880-9270-17 MS	S5,1'	Soluble	Solid	300.0	14838
880-9270-17 MSD	S5,1'	Soluble	Solid	300.0	14838

Analysis Batch: 15126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9270-6	S-2,3'	Soluble	Solid	300.0	14988
880-9270-7	S-2,5'	Soluble	Solid	300.0	14988
MB 880-14988/1-A	Method Blank	Soluble	Solid	300.0	14988
LCS 880-14988/2-A	Lab Control Sample	Soluble	Solid	300.0	14988
LCSD 880-14988/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14988
880-9270-6 MS	S-2,3'	Soluble	Solid	300.0	14988
880-9270-6 MSD	S-2,3'	Soluble	Solid	300.0	14988

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-1,1'

Lab Sample ID: 880-9270-1

Date Collected: 12/09/21 10:54

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/13/21 21:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 11:09	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14835	12/15/21 11:34	CA	XEN MID
Soluble	Analysis	300.0		1			14984	12/20/21 02:37	CH	XEN MID

Client Sample ID: S-1,3'

Lab Sample ID: 880-9270-2

Date Collected: 12/09/21 10:55

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/13/21 22:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 12:14	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14835	12/15/21 11:34	CA	XEN MID
Soluble	Analysis	300.0		1			14984	12/20/21 02:56	CH	XEN MID

Client Sample ID: S-1,5'

Lab Sample ID: 880-9270-3

Date Collected: 12/09/21 10:56

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/13/21 22:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 12:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14835	12/15/21 11:34	CA	XEN MID
Soluble	Analysis	300.0		5			14984	12/20/21 03:03	CH	XEN MID

Client Sample ID: S-1,10'

Lab Sample ID: 880-9270-4

Date Collected: 12/09/21 10:57

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/13/21 22:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-1,10'

Date Collected: 12/09/21 10:57

Date Received: 12/13/21 09:15

Lab Sample ID: 880-9270-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 12:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14835	12/15/21 11:34	CA	XEN MID
Soluble	Analysis	300.0		1			14984	12/20/21 03:10	CH	XEN MID

Client Sample ID: S-2,1'

Date Collected: 12/09/21 11:12

Date Received: 12/13/21 09:15

Lab Sample ID: 880-9270-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/13/21 23:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 13:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14835	12/15/21 11:34	CA	XEN MID
Soluble	Analysis	300.0		1			14984	12/20/21 03:16	CH	XEN MID

Client Sample ID: S-2,3'

Date Collected: 12/09/21 11:13

Date Received: 12/13/21 09:15

Lab Sample ID: 880-9270-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/13/21 23:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 13:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14988	12/16/21 17:00	CA	XEN MID
Soluble	Analysis	300.0		5			15126	12/19/21 18:56	CH	XEN MID

Client Sample ID: S-2,5'

Date Collected: 12/09/21 11:14

Date Received: 12/13/21 09:15

Lab Sample ID: 880-9270-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/13/21 23:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 14:02	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-2,5'

Date Collected: 12/09/21 11:14

Date Received: 12/13/21 09:15

Lab Sample ID: 880-9270-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	14988	12/16/21 17:00	CA	XEN MID
Soluble	Analysis	300.0		1			15126	12/19/21 19:16	CH	XEN MID

Client Sample ID: S-2,10'

Date Collected: 12/09/21 11:15

Date Received: 12/13/21 09:15

Lab Sample ID: 880-9270-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 00:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 14:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14837	12/15/21 11:36	CA	XEN MID
Soluble	Analysis	300.0		1			14927	12/16/21 00:04	CH	XEN MID

Client Sample ID: S-3,1'

Date Collected: 12/09/21 11:28

Date Received: 12/13/21 09:15

Lab Sample ID: 880-9270-9

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			5.00 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 00:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 14:45	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14837	12/15/21 11:36	CA	XEN MID
Soluble	Analysis	300.0		1			14927	12/16/21 00:29	CH	XEN MID

Client Sample ID: S-3,3'

Date Collected: 12/09/21 11:29

Date Received: 12/13/21 09:15

Lab Sample ID: 880-9270-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 00:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 15:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14837	12/15/21 11:36	CA	XEN MID
Soluble	Analysis	300.0		5			14927	12/16/21 00:37	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-3, 5'

Lab Sample ID: 880-9270-11

Date Collected: 12/09/21 11:30

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 02:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 15:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14837	12/15/21 11:36	CA	XEN MID
Soluble	Analysis	300.0		5			14927	12/16/21 00:46	CH	XEN MID

Client Sample ID: S-3,10'

Lab Sample ID: 880-9270-12

Date Collected: 12/09/21 11:31

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 02:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 16:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14837	12/15/21 11:36	CA	XEN MID
Soluble	Analysis	300.0		1			14927	12/16/21 00:54	CH	XEN MID

Client Sample ID: S-4,1'

Lab Sample ID: 880-9270-13

Date Collected: 12/09/21 11:49

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 02:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 16:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14837	12/15/21 11:36	CA	XEN MID
Soluble	Analysis	300.0		1			14927	12/16/21 01:19	CH	XEN MID

Client Sample ID: S-4,3'

Lab Sample ID: 880-9270-14

Date Collected: 12/09/21 11:50

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 03:14	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-4,3'

Lab Sample ID: 880-9270-14

Date Collected: 12/09/21 11:50

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 16:55	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14837	12/15/21 11:36	CA	XEN MID
Soluble	Analysis	300.0		1			14927	12/16/21 01:27	CH	XEN MID

Client Sample ID: S-4,5'

Lab Sample ID: 880-9270-15

Date Collected: 12/09/21 11:51

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 03:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 17:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14837	12/15/21 11:36	CA	XEN MID
Soluble	Analysis	300.0		5			14927	12/16/21 01:36	CH	XEN MID

Client Sample ID: S-4,10'

Lab Sample ID: 880-9270-16

Date Collected: 12/09/21 11:52

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 03:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14837	12/15/21 11:36	CA	XEN MID
Soluble	Analysis	300.0		1			14927	12/16/21 01:44	CH	XEN MID

Client Sample ID: S5,1'

Lab Sample ID: 880-9270-17

Date Collected: 12/09/21 12:09

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 04:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14776	12/14/21 11:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14800	12/15/21 17:59	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S5,1'

Lab Sample ID: 880-9270-17

Date Collected: 12/09/21 12:09

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	14838	12/15/21 11:38	CA	XEN MID
Soluble	Analysis	300.0		1			15047	12/18/21 13:13	CH	XEN MID

Client Sample ID: S-5,3'

Lab Sample ID: 880-9270-18

Date Collected: 12/09/21 12:10

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 04:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14600	12/13/21 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14597	12/13/21 14:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14831	12/15/21 11:22	CA	XEN MID
Soluble	Analysis	300.0		1			14924	12/15/21 23:46	CH	XEN MID

Client Sample ID: S-5,5'

Lab Sample ID: 880-9270-19

Date Collected: 12/09/21 12:11

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 04:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14600	12/13/21 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14597	12/13/21 15:15	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14831	12/15/21 11:22	CA	XEN MID
Soluble	Analysis	300.0		5			14924	12/15/21 23:52	CH	XEN MID

Client Sample ID: S-5,10'

Lab Sample ID: 880-9270-20

Date Collected: 12/09/21 12:12

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	14634	12/13/21 11:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14589	12/14/21 05:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14600	12/13/21 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14597	12/13/21 15:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14831	12/15/21 11:22	CA	XEN MID
Soluble	Analysis	300.0		1			14924	12/15/21 23:59	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-8,1'

Lab Sample ID: 880-9270-21

Date Collected: 12/09/21 12:29

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	14948	12/17/21 07:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15017	12/17/21 11:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14600	12/13/21 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14597	12/13/21 15:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14831	12/15/21 11:22	CA	XEN MID
Soluble	Analysis	300.0		1			14924	12/16/21 00:06	CH	XEN MID

Client Sample ID: S-8,3'

Lab Sample ID: 880-9270-22

Date Collected: 12/09/21 12:30

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	14948	12/17/21 07:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15017	12/17/21 12:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14600	12/13/21 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14597	12/13/21 16:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14831	12/15/21 11:22	CA	XEN MID
Soluble	Analysis	300.0		1			14924	12/16/21 00:12	CH	XEN MID

Client Sample ID: S-8,5'

Lab Sample ID: 880-9270-23

Date Collected: 12/09/21 12:31

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	14948	12/17/21 07:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15017	12/17/21 12:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14600	12/13/21 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14597	12/13/21 16:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14831	12/15/21 11:22	CA	XEN MID
Soluble	Analysis	300.0		1			14924	12/16/21 00:19	CH	XEN MID

Client Sample ID: S-8,10'

Lab Sample ID: 880-9270-24

Date Collected: 12/09/21 12:32

Matrix: Solid

Date Received: 12/13/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	14948	12/17/21 07:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15017	12/17/21 12:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15211	12/20/21 15:38	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Client Sample ID: S-8,10'
Date Collected: 12/09/21 12:32
Date Received: 12/13/21 09:15

Lab Sample ID: 880-9270-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			15045	12/17/21 09:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14600	12/13/21 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14597	12/13/21 16:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14831	12/15/21 11:22	CA	XEN MID
Soluble	Analysis	300.0		1			14924	12/16/21 00:39	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: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

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: CB Cal 25 36

Job ID: 880-9270-1
SDG: 21-0100-19

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-9270-1	S-1,1'	Solid	12/09/21 10:54	12/13/21 09:15
880-9270-2	S-1,3'	Solid	12/09/21 10:55	12/13/21 09:15
880-9270-3	S-1,5'	Solid	12/09/21 10:56	12/13/21 09:15
880-9270-4	S-1,10'	Solid	12/09/21 10:57	12/13/21 09:15
880-9270-5	S-2,1'	Solid	12/09/21 11:12	12/13/21 09:15
880-9270-6	S-2,3'	Solid	12/09/21 11:13	12/13/21 09:15
880-9270-7	S-2,5'	Solid	12/09/21 11:14	12/13/21 09:15
880-9270-8	S-2,10'	Solid	12/09/21 11:15	12/13/21 09:15
880-9270-9	S-3,1'	Solid	12/09/21 11:28	12/13/21 09:15
880-9270-10	S-3,3'	Solid	12/09/21 11:29	12/13/21 09:15
880-9270-11	S-3, 5'	Solid	12/09/21 11:30	12/13/21 09:15
880-9270-12	S-3,10'	Solid	12/09/21 11:31	12/13/21 09:15
880-9270-13	S-4,1'	Solid	12/09/21 11:49	12/13/21 09:15
880-9270-14	S-4,3'	Solid	12/09/21 11:50	12/13/21 09:15
880-9270-15	S-4,5'	Solid	12/09/21 11:51	12/13/21 09:15
880-9270-16	S-4,10'	Solid	12/09/21 11:52	12/13/21 09:15
880-9270-17	S5,1'	Solid	12/09/21 12:09	12/13/21 09:15
880-9270-18	S-5,3'	Solid	12/09/21 12:10	12/13/21 09:15
880-9270-19	S-5,5'	Solid	12/09/21 12:11	12/13/21 09:15
880-9270-20	S-5,10'	Solid	12/09/21 12:12	12/13/21 09:15
880-9270-21	S-8,1'	Solid	12/09/21 12:29	12/13/21 09:15
880-9270-22	S-8,3'	Solid	12/09/21 12:30	12/13/21 09:15
880-9270-23	S-8,5'	Solid	12/09/21 12:31	12/13/21 09:15
880-9270-24	S-8,10'	Solid	12/09/21 12:32	12/13/21 09:15

Varson & Associates, Inc.
Environmental Consultants

507 N Marengfeld Ste 202
Midland TX 79701
432 687 0901

Data Reported to

DATE 12/10/2021 PAGE 1 OF 2
PO# LAB WORK ORDER#
PROJECT LOCATION OR NAME CB Cat 25 36
LAI PROJECT # 21-026-19 COLLECTOR ME & OSC

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

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

MST/MD

Field
Sample ID

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES

BTEX/MTBE ☐TPH 418 ☐TPH 1005 ☐TPH 1006 ☐GASOLINE MOD 8015 ☐DIESEL - MOD 8015 ☐OIL - MOD 8015 ☐VOC 8260 ☐SVOC 8270 ☐8081 PESTICIDES ☐8082 PESTICIDES ☐TCLP - METALS (RCRA) ☐

FIELD NOTES

880-9270 Chain of Custody



TOTAL

15

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

NORMAL ☒RECEIVING TEMP -17/4°C THERM# IFBCUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

2 DAY ☐CARRIER BILL # ☐ HAND DELIVERED

LABORATORY

XENCO

9270

CHAIN-OF-CUSTODY

No. 2291

12/21/2021

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-9270-1

SDG Number: 21-0100-19

Login Number: 9270

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 Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-3192-1

Laboratory Sample Delivery Group: 21-0100-19

Client Project/Site: CB Cal 25 36 Com 8

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:

10/13/2022 3:14:54 PM

Holly Taylor, Project Manager
(806)794-1296

Holly.Taylor@et.eurofinsus.com

LINKS

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results through



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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: CB Cal 25 36 Com 8

Laboratory Job ID: 890-3192-1
SDG: 21-0100-19

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Job ID: 890-3192-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3192-1

Receipt

The samples were received on 10/10/2022 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.8° C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C15 (890-3192-1), C16 (890-3192-2), C1 (890-3192-3), C18 (890-3192-4), C19 (890-3192-5), C20 (890-3192-6) and SW5 (890-3192-7).

GC VOA

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

GC Semi VOA

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-20138-A-4-E MS) and (880-20138-A-4-F MSD). 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.

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: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Client Sample ID: C15

Lab Sample ID: 890-3192-1

Date Collected: 10/10/22 09:15

Matrix: Solid

Date Received: 10/10/22 16:00

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/12/22 10:00	10/12/22 12:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/12/22 10:00	10/12/22 12:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/12/22 10:00	10/12/22 12:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		10/12/22 10:00	10/12/22 12:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/12/22 10:00	10/12/22 12:25	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		10/12/22 10:00	10/12/22 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/12/22 10:00	10/12/22 12:25	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/12/22 10:00	10/12/22 12:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			10/12/22 14:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			10/13/22 09:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		10/12/22 08:44	10/12/22 13:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		10/12/22 08:44	10/12/22 13:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		10/12/22 08:44	10/12/22 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	10/12/22 08:44	10/12/22 13:08	1
o-Terphenyl (Surr)	103		70 - 130	10/12/22 08:44	10/12/22 13:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	503		25.1	mg/Kg			10/12/22 13:35	5

Client Sample ID: C16

Lab Sample ID: 890-3192-2

Date Collected: 10/10/22 10:30

Matrix: Solid

Date Received: 10/10/22 16:00

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 12:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 12:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 12:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		10/12/22 10:00	10/12/22 12:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 12:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		10/12/22 10:00	10/12/22 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/12/22 10:00	10/12/22 12:46	1

Eurofins Carlsbad

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Client Sample ID: C16

Date Collected: 10/10/22 10:30

Date Received: 10/10/22 16:00

Sample Depth: 1.5'

Lab Sample ID: 890-3192-2

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	10/12/22 10:00	10/12/22 12:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			10/12/22 14:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			10/13/22 09:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		10/12/22 08:44	10/12/22 13:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		10/12/22 08:44	10/12/22 13:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		10/12/22 08:44	10/12/22 13:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			10/12/22 08:44	10/12/22 13:29	1
o-Terphenyl (Surr)	113		70 - 130			10/12/22 08:44	10/12/22 13:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	477		25.3	mg/Kg			10/12/22 13:50	5

Client Sample ID: C17

Date Collected: 10/10/22 11:30

Date Received: 10/10/22 16:00

Sample Depth: 1.5'

Lab Sample ID: 890-3192-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		10/12/22 10:00	10/12/22 13:06	1
Toluene	<0.00198	U	0.00198	mg/Kg		10/12/22 10:00	10/12/22 13:06	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		10/12/22 10:00	10/12/22 13:06	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		10/12/22 10:00	10/12/22 13:06	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		10/12/22 10:00	10/12/22 13:06	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		10/12/22 10:00	10/12/22 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	10/12/22 10:00	10/12/22 13:06	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/12/22 10:00	10/12/22 13:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			10/12/22 14:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			10/13/22 09:37	1

Eurofins Carlsbad

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Client Sample ID: C17

Lab Sample ID: 890-3192-3

Date Collected: 10/10/22 11:30

Matrix: Solid

Date Received: 10/10/22 16:00

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		10/12/22 08:44	10/12/22 13:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		10/12/22 08:44	10/12/22 13:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		10/12/22 08:44	10/12/22 13:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			10/12/22 08:44	10/12/22 13:49	1
o-Terphenyl (Surr)	98		70 - 130			10/12/22 08:44	10/12/22 13:49	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	431		5.05	mg/Kg			10/12/22 13:55	1

Client Sample ID: C18

Lab Sample ID: 890-3192-4

Date Collected: 10/10/22 11:45

Matrix: Solid

Date Received: 10/10/22 16:00

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 13:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 13:27	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 13:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		10/12/22 10:00	10/12/22 13:27	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 13:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		10/12/22 10:00	10/12/22 13:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			10/12/22 10:00	10/12/22 13:27	1
1,4-Difluorobenzene (Surr)	79		70 - 130			10/12/22 10:00	10/12/22 13:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			10/12/22 14:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			10/13/22 09:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		10/12/22 08:44	10/12/22 14:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/12/22 08:44	10/12/22 14:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/12/22 08:44	10/12/22 14:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			10/12/22 08:44	10/12/22 14:10	1
o-Terphenyl (Surr)	95		70 - 130			10/12/22 08:44	10/12/22 14:10	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Client Sample ID: C18

Lab Sample ID: 890-3192-4

Date Collected: 10/10/22 11:45

Matrix: Solid

Date Received: 10/10/22 16:00

Sample Depth: 1.5'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		4.97	mg/Kg			10/12/22 13:59	1

Client Sample ID: C19

Lab Sample ID: 890-3192-5

Date Collected: 10/10/22 10:45

Matrix: Solid

Date Received: 10/10/22 16:00

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/12/22 10:00	10/12/22 13:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/12/22 10:00	10/12/22 13:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/12/22 10:00	10/12/22 13:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		10/12/22 10:00	10/12/22 13:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/12/22 10:00	10/12/22 13:48	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		10/12/22 10:00	10/12/22 13:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			10/12/22 10:00	10/12/22 13:48	1
1,4-Difluorobenzene (Surr)	100		70 - 130			10/12/22 10:00	10/12/22 13:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			10/12/22 14:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			10/13/22 09:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		10/12/22 09:02	10/12/22 13:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/12/22 09:02	10/12/22 13:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/12/22 09:02	10/12/22 13:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			10/12/22 09:02	10/12/22 13:51	1
o-Terphenyl (Surr)	115		70 - 130			10/12/22 09:02	10/12/22 13:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.7		5.03	mg/Kg			10/12/22 14:04	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Client Sample ID: C20

Lab Sample ID: 890-3192-6

Date Collected: 10/10/22 11:00

Matrix: Solid

Date Received: 10/10/22 16:00

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 14:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 14:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 14:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		10/12/22 10:00	10/12/22 14:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 14:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		10/12/22 10:00	10/12/22 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	10/12/22 10:00	10/12/22 14:08	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/12/22 10:00	10/12/22 14:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			10/12/22 14:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			10/13/22 09:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		10/12/22 09:02	10/12/22 14:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/12/22 09:02	10/12/22 14:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/12/22 09:02	10/12/22 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130	10/12/22 09:02	10/12/22 14:13	1
o-Terphenyl (Surr)	100		70 - 130	10/12/22 09:02	10/12/22 14:13	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		5.00	mg/Kg			10/12/22 14:09	1

Client Sample ID: SW5

Lab Sample ID: 890-3192-7

Date Collected: 10/10/22 12:00

Matrix: Solid

Date Received: 10/10/22 16:00

Sample Depth: 0-1.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 14:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 14:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 14:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		10/12/22 10:00	10/12/22 14:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		10/12/22 10:00	10/12/22 14:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		10/12/22 10:00	10/12/22 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	10/12/22 10:00	10/12/22 14:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Client Sample ID: SW5

Lab Sample ID: 890-3192-7

Date Collected: 10/10/22 12:00

Matrix: Solid

Date Received: 10/10/22 16:00

Sample Depth: 0-1.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	10/12/22 10:00	10/12/22 14:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			10/12/22 14:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/13/22 09:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/12/22 09:02	10/12/22 14:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/12/22 09:02	10/12/22 14:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/12/22 09:02	10/12/22 14:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			10/12/22 09:02	10/12/22 14:35	1
o-Terphenyl (Surr)	109		70 - 130			10/12/22 09:02	10/12/22 14:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1490		25.0	mg/Kg			10/12/22 14:14	5

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

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)
890-3192-1	C15	95	104
890-3192-2	C16	107	97
890-3192-3	C17	117	97
890-3192-4	C18	123	79
890-3192-5	C19	117	100
890-3192-6	C20	117	94
890-3192-7	SW5	115	96
LCS 880-36686/1-A	Lab Control Sample	84	90
LCSD 880-36686/2-A	Lab Control Sample Dup	90	90
MB 880-36686/5-A	Method Blank	103	84

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-3192-1	C15	97	103
890-3192-2	C16	105	113
890-3192-3	C17	93	98
890-3192-4	C18	90	95
890-3192-5	C19	118	115
890-3192-6	C20	102	100
890-3192-7	SW5	113	109
LCS 880-36718/2-A	Lab Control Sample	99	107
LCS 880-36719/2-A	Lab Control Sample	109	114
LCSD 880-36718/3-A	Lab Control Sample Dup	88	94
LCSD 880-36719/3-A	Lab Control Sample Dup	110	114
MB 880-36718/1-A	Method Blank	83	92
MB 880-36719/1-A	Method Blank	105	103

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36686/5-A

Matrix: Solid

Analysis Batch: 36715

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36686

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/11/22 14:31	10/12/22 11:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/11/22 14:31	10/12/22 11:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/11/22 14:31	10/12/22 11:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		10/11/22 14:31	10/12/22 11:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/11/22 14:31	10/12/22 11:01	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		10/11/22 14:31	10/12/22 11:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/11/22 14:31	10/12/22 11:01	1
1,4-Difluorobenzene (Surr)	84		70 - 130	10/11/22 14:31	10/12/22 11:01	1

Lab Sample ID: LCS 880-36686/1-A

Matrix: Solid

Analysis Batch: 36715

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1008		mg/Kg		101	70 - 130
Toluene	0.100	0.1020		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09606		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1983		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09918		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-36686/2-A

Matrix: Solid

Analysis Batch: 36715

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36686

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1024		mg/Kg		102	70 - 130	2	35
Toluene	0.100	0.1064		mg/Kg		106	70 - 130	4	35
Ethylbenzene	0.100	0.09847		mg/Kg		98	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2051		mg/Kg		103	70 - 130	3	35
o-Xylene	0.100	0.1011		mg/Kg		101	70 - 130	2	35

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

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

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

Lab Sample ID: MB 880-36718/1-A

Matrix: Solid

Analysis Batch: 36713

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36718

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		10/12/22 08:44	10/12/22 11:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/12/22 08:44	10/12/22 11:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/12/22 08:44	10/12/22 11:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130	10/12/22 08:44	10/12/22 11:04	1
o-Terphenyl (Surr)	92		70 - 130	10/12/22 08:44	10/12/22 11:04	1

Lab Sample ID: LCS 880-36718/2-A

Matrix: Solid

Analysis Batch: 36713

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1007		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	903.1		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-36718/3-A

Matrix: Solid

Analysis Batch: 36713

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36718

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	824.6		mg/Kg		82	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	942.9		mg/Kg		94	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	88		70 - 130
o-Terphenyl (Surr)	94		70 - 130

Lab Sample ID: MB 880-36719/1-A

Matrix: Solid

Analysis Batch: 36707

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36719

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		10/12/22 09:02	10/12/22 10:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/12/22 09:02	10/12/22 10:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/12/22 09:02	10/12/22 10:59	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

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

Lab Sample ID: MB 880-36719/1-A

Matrix: Solid

Analysis Batch: 36707

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36719

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	10/12/22 09:02	10/12/22 10:59	1
o-Terphenyl (Surr)	103		70 - 130	10/12/22 09:02	10/12/22 10:59	1

Lab Sample ID: LCS 880-36719/2-A

Matrix: Solid

Analysis Batch: 36707

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	831.3		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1153		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	109		70 - 130
o-Terphenyl (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-36719/3-A

Matrix: Solid

Analysis Batch: 36707

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36719

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	834.3		mg/Kg		83	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1160		mg/Kg		116	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	110		70 - 130
o-Terphenyl (Surr)	114		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36751/1-A

Matrix: Solid

Analysis Batch: 36760

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			10/12/22 12:51	1

Lab Sample ID: LCS 880-36751/2-A

Matrix: Solid

Analysis Batch: 36760

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.4		mg/Kg		101	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-36751/3-A

Matrix: Solid

Analysis Batch: 36760

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	252.7		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-3192-7 MS

Matrix: Solid

Analysis Batch: 36760

Client Sample ID: SW5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1490		1250	2841		mg/Kg		108	90 - 110		

Lab Sample ID: 890-3192-7 MSD

Matrix: Solid

Analysis Batch: 36760

Client Sample ID: SW5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1490		1250	2840		mg/Kg		108	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

GC VOA

Prep Batch: 36686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3192-1	C15	Total/NA	Solid	5035	
890-3192-2	C16	Total/NA	Solid	5035	
890-3192-3	C17	Total/NA	Solid	5035	
890-3192-4	C18	Total/NA	Solid	5035	
890-3192-5	C19	Total/NA	Solid	5035	
890-3192-6	C20	Total/NA	Solid	5035	
890-3192-7	SW5	Total/NA	Solid	5035	
MB 880-36686/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36686/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36686/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 36715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3192-1	C15	Total/NA	Solid	8021B	36686
890-3192-2	C16	Total/NA	Solid	8021B	36686
890-3192-3	C17	Total/NA	Solid	8021B	36686
890-3192-4	C18	Total/NA	Solid	8021B	36686
890-3192-5	C19	Total/NA	Solid	8021B	36686
890-3192-6	C20	Total/NA	Solid	8021B	36686
890-3192-7	SW5	Total/NA	Solid	8021B	36686
MB 880-36686/5-A	Method Blank	Total/NA	Solid	8021B	36686
LCS 880-36686/1-A	Lab Control Sample	Total/NA	Solid	8021B	36686
LCSD 880-36686/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36686

Analysis Batch: 36764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3192-1	C15	Total/NA	Solid	Total BTEX	
890-3192-2	C16	Total/NA	Solid	Total BTEX	
890-3192-3	C17	Total/NA	Solid	Total BTEX	
890-3192-4	C18	Total/NA	Solid	Total BTEX	
890-3192-5	C19	Total/NA	Solid	Total BTEX	
890-3192-6	C20	Total/NA	Solid	Total BTEX	
890-3192-7	SW5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 36707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3192-5	C19	Total/NA	Solid	8015B NM	36719
890-3192-6	C20	Total/NA	Solid	8015B NM	36719
890-3192-7	SW5	Total/NA	Solid	8015B NM	36719
MB 880-36719/1-A	Method Blank	Total/NA	Solid	8015B NM	36719
LCS 880-36719/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36719
LCSD 880-36719/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36719

Analysis Batch: 36713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3192-1	C15	Total/NA	Solid	8015B NM	36718
890-3192-2	C16	Total/NA	Solid	8015B NM	36718
890-3192-3	C17	Total/NA	Solid	8015B NM	36718
890-3192-4	C18	Total/NA	Solid	8015B NM	36718

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

GC Semi VOA (Continued)

Analysis Batch: 36713 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-36718/1-A	Method Blank	Total/NA	Solid	8015B NM	36718
LCS 880-36718/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36718
LCSD 880-36718/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36718

Prep Batch: 36718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3192-1	C15	Total/NA	Solid	8015NM Prep	
890-3192-2	C16	Total/NA	Solid	8015NM Prep	
890-3192-3	C17	Total/NA	Solid	8015NM Prep	
890-3192-4	C18	Total/NA	Solid	8015NM Prep	
MB 880-36718/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36718/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36718/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 36719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3192-5	C19	Total/NA	Solid	8015NM Prep	
890-3192-6	C20	Total/NA	Solid	8015NM Prep	
890-3192-7	SW5	Total/NA	Solid	8015NM Prep	
MB 880-36719/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36719/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36719/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 36827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3192-1	C15	Total/NA	Solid	8015 NM	
890-3192-2	C16	Total/NA	Solid	8015 NM	
890-3192-3	C17	Total/NA	Solid	8015 NM	
890-3192-4	C18	Total/NA	Solid	8015 NM	
890-3192-5	C19	Total/NA	Solid	8015 NM	
890-3192-6	C20	Total/NA	Solid	8015 NM	
890-3192-7	SW5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 36751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3192-1	C15	Soluble	Solid	DI Leach	
890-3192-2	C16	Soluble	Solid	DI Leach	
890-3192-3	C17	Soluble	Solid	DI Leach	
890-3192-4	C18	Soluble	Solid	DI Leach	
890-3192-5	C19	Soluble	Solid	DI Leach	
890-3192-6	C20	Soluble	Solid	DI Leach	
890-3192-7	SW5	Soluble	Solid	DI Leach	
MB 880-36751/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36751/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36751/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3192-7 MS	SW5	Soluble	Solid	DI Leach	
890-3192-7 MSD	SW5	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

HPLC/IC

Analysis Batch: 36760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3192-1	C15	Soluble	Solid	300.0	36751
890-3192-2	C16	Soluble	Solid	300.0	36751
890-3192-3	C17	Soluble	Solid	300.0	36751
890-3192-4	C18	Soluble	Solid	300.0	36751
890-3192-5	C19	Soluble	Solid	300.0	36751
890-3192-6	C20	Soluble	Solid	300.0	36751
890-3192-7	SW5	Soluble	Solid	300.0	36751
MB 880-36751/1-A	Method Blank	Soluble	Solid	300.0	36751
LCS 880-36751/2-A	Lab Control Sample	Soluble	Solid	300.0	36751
LCSD 880-36751/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36751
890-3192-7 MS	SW5	Soluble	Solid	300.0	36751
890-3192-7 MSD	SW5	Soluble	Solid	300.0	36751

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Client Sample ID: C15

Date Collected: 10/10/22 09:15

Date Received: 10/10/22 16:00

Lab Sample ID: 890-3192-1

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	36686	10/12/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36715	10/12/22 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36764	10/12/22 14:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			36827	10/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	36718	10/12/22 08:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36713	10/12/22 13:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	36751	10/12/22 11:01	SMC	EET MID
Soluble	Analysis	300.0		5			36760	10/12/22 13:35	CH	EET MID

Client Sample ID: C16

Date Collected: 10/10/22 10:30

Date Received: 10/10/22 16:00

Lab Sample ID: 890-3192-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36686	10/12/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36715	10/12/22 12:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36764	10/12/22 14:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			36827	10/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36718	10/12/22 08:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36713	10/12/22 13:29	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	36751	10/12/22 11:01	SMC	EET MID
Soluble	Analysis	300.0		5			36760	10/12/22 13:50	CH	EET MID

Client Sample ID: C17

Date Collected: 10/10/22 11:30

Date Received: 10/10/22 16:00

Lab Sample ID: 890-3192-3

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			5.04 g	5 mL	36686	10/12/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36715	10/12/22 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36764	10/12/22 14:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			36827	10/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	36718	10/12/22 08:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36713	10/12/22 13:49	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	36751	10/12/22 11:01	SMC	EET MID
Soluble	Analysis	300.0		1			36760	10/12/22 13:55	CH	EET MID

Client Sample ID: C18

Date Collected: 10/10/22 11:45

Date Received: 10/10/22 16:00

Lab Sample ID: 890-3192-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36686	10/12/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36715	10/12/22 13:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36764	10/12/22 14:14	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Client Sample ID: C18

Date Collected: 10/10/22 11:45

Date Received: 10/10/22 16:00

Lab Sample ID: 890-3192-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			36827	10/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36718	10/12/22 08:44	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36713	10/12/22 14:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36751	10/12/22 11:01	SMC	EET MID
Soluble	Analysis	300.0		1			36760	10/12/22 13:59	CH	EET MID

Client Sample ID: C19

Date Collected: 10/10/22 10:45

Date Received: 10/10/22 16:00

Lab Sample ID: 890-3192-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36686	10/12/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36715	10/12/22 13:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36764	10/12/22 14:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			36827	10/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36719	10/12/22 09:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36707	10/12/22 13:51	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	36751	10/12/22 11:01	SMC	EET MID
Soluble	Analysis	300.0		1			36760	10/12/22 14:04	CH	EET MID

Client Sample ID: C20

Date Collected: 10/10/22 11:00

Date Received: 10/10/22 16:00

Lab Sample ID: 890-3192-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36686	10/12/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36715	10/12/22 14:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36764	10/12/22 14:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			36827	10/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36719	10/12/22 09:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36707	10/12/22 14:13	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36751	10/12/22 11:01	SMC	EET MID
Soluble	Analysis	300.0		1			36760	10/12/22 14:09	CH	EET MID

Client Sample ID: SW5

Date Collected: 10/10/22 12:00

Date Received: 10/10/22 16:00

Lab Sample ID: 890-3192-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36686	10/12/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36715	10/12/22 14:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36764	10/12/22 14:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			36827	10/13/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36719	10/12/22 09:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36707	10/12/22 14:35	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Client Sample ID: SW5
Date Collected: 10/10/22 12:00
Date Received: 10/10/22 16:00

Lab Sample ID: 890-3192-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	36751	10/12/22 11:01	SMC	EET MID
Soluble	Analysis	300.0		5			36760	10/12/22 14:14	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36 Com 8

Job ID: 890-3192-1
SDG: 21-0100-19

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3192-1	C15	Solid	10/10/22 09:15	10/10/22 16:00	1.5'
890-3192-2	C16	Solid	10/10/22 10:30	10/10/22 16:00	1.5'
890-3192-3	C17	Solid	10/10/22 11:30	10/10/22 16:00	1.5'
890-3192-4	C18	Solid	10/10/22 11:45	10/10/22 16:00	1.5'
890-3192-5	C19	Solid	10/10/22 10:45	10/10/22 16:00	1.5'
890-3192-6	C20	Solid	10/10/22 11:00	10/10/22 16:00	1.5'
890-3192-7	SW5	Solid	10/10/22 12:00	10/10/22 16:00	0-1.5'

Arison & Associates, Inc.
Environmental Consultants

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

Data Reported to:

DATE: 10-10-22 PAGE 1 OF 1
PO#: _____ LAB WORK ORDER#: _____
PROJECT LOCATION OR NAME: CB CAL 25 36 Cam 8
LAI PROJECT #: 21-0100-19 COLLECTOR: JH

No. 2418
CHAIN-OF-CUSTODY

TRRP report? ☐ Yes ☒ No		S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	TIME ZONE: Time zone/State:		PRESERVATION		ANALYSES		FIELD NOTES	
Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE	UNPRESSERVED	
C15 1.5'		10-10-22	915	S	1				X	X	X
C16 1.5'			1030						X	X	X
C17 1.5'			1130						X	X	X
C18 1.5'			1145						X	X	X
C19 1.5'			1045						X	X	X
C20 1.5'			1100						X	X	X
SW5 0-1.5'		10-10-22	1200	S	1				X	X	X
TOTAL 7											
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		TURN AROUND TIME		LABORATORY USE ONLY:			
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		NORMAL ☐ 1 DAY ☒ 2 DAY ☐ OTHER ☐		RECEIVING TEMP: <u>10/5.8</u> THERM: <u>AN-007</u>			
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)				CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED			
LABORATORY:								☐ HAND DELIVERED			

890-3192 Chain of Custody



Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-3192-1

SDG Number: 21-0100-19

Login Number: 3192**List Number: 1****Creator: Stutzman, Amanda****List Source: Eurofins Carlsbad**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
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	

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-3192-1

SDG Number: 21-0100-19

Login Number: 3192**List Number: 2****Creator: Rodriguez, Leticia****List Source: Eurofins Midland****List Creation: 10/12/22 11:01 AM**

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/6/2023 11:18:02 AM

JOB DESCRIPTION

CB Cal 25 36
SDG NUMBER 21-0100-19

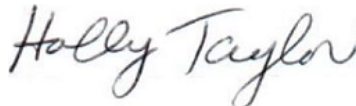
JOB NUMBER

880-24203-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
2/6/2023 11:18:02 AM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Laboratory Job ID: 880-24203-1
SDG: 21-0100-19

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

Job ID: 880-24203-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-24203-1****Receipt**

The samples were received on 1/30/2023 9:52 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 0.9°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-3, 0-4' (880-24203-1), C-22, 4' (880-24203-2), C-21, 1' (880-24203-3) and C-7, 5' (880-24203-4).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-22, 4' (880-24203-2) and C-21, 1' (880-24203-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-45060 and analytical batch 880-45101 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-3, 0-4' (880-24203-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-22, 4' (880-24203-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

Client Sample ID: SW-3, 0-4'

Lab Sample ID: 880-24203-1

Date Collected: 01/26/23 15:00

Matrix: Solid

Date Received: 01/30/23 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/03/23 14:33	02/05/23 13:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/03/23 14:33	02/05/23 13:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/03/23 14:33	02/05/23 13:41	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/03/23 14:33	02/05/23 13:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/03/23 14:33	02/05/23 13:41	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/03/23 14:33	02/05/23 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	02/03/23 14:33	02/05/23 13:41	1
1,4-Difluorobenzene (Surr)	77		70 - 130	02/03/23 14:33	02/05/23 13:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.1		50.0	mg/Kg			01/31/23 14:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/30/23 14:45	01/31/23 11:02	1
Diesel Range Organics (Over C10-C28)	53.1		50.0	mg/Kg		01/30/23 14:45	01/31/23 11:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 14:45	01/31/23 11:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	140	S1+	70 - 130	01/30/23 14:45	01/31/23 11:02	1
o-Terphenyl (Surr)	140	S1+	70 - 130	01/30/23 14:45	01/31/23 11:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	710		24.8	mg/Kg			01/30/23 16:03	5

Client Sample ID: C-22, 4'

Lab Sample ID: 880-24203-2

Date Collected: 01/27/23 08:45

Matrix: Solid

Date Received: 01/30/23 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/03/23 14:33	02/05/23 14:01	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/03/23 14:33	02/05/23 14:01	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/03/23 14:33	02/05/23 14:01	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/03/23 14:33	02/05/23 14:01	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/03/23 14:33	02/05/23 14:01	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/03/23 14:33	02/05/23 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	02/03/23 14:33	02/05/23 14:01	1
1,4-Difluorobenzene (Surr)	87		70 - 130	02/03/23 14:33	02/05/23 14:01	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

Client Sample ID: C-22, 4'

Lab Sample ID: 880-24203-2

Date Collected: 01/27/23 08:45

Matrix: Solid

Date Received: 01/30/23 09:52

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/31/23 14:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 14:45	01/31/23 12:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 14:45	01/31/23 12:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 14:45	01/31/23 12:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	131	S1+	70 - 130			01/30/23 14:45	01/31/23 12:09	1
o-Terphenyl (Surr)	125		70 - 130			01/30/23 14:45	01/31/23 12:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		25.1	mg/Kg			01/30/23 16:10	5

Client Sample ID: C-21, 1'

Lab Sample ID: 880-24203-3

Date Collected: 01/27/23 09:00

Matrix: Solid

Date Received: 01/30/23 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/03/23 14:33	02/05/23 14:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/03/23 14:33	02/05/23 14:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/03/23 14:33	02/05/23 14:22	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/03/23 14:33	02/05/23 14:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/03/23 14:33	02/05/23 14:22	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/03/23 14:33	02/05/23 14:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130			02/03/23 14:33	02/05/23 14:22	1
1,4-Difluorobenzene (Surr)	90		70 - 130			02/03/23 14:33	02/05/23 14:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/31/23 14:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/30/23 14:45	01/31/23 12:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/23 14:45	01/31/23 12:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

Client Sample ID: C-21, 1'

Lab Sample ID: 880-24203-3

Date Collected: 01/27/23 09:00

Matrix: Solid

Date Received: 01/30/23 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 14:45	01/31/23 12:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			01/30/23 14:45	01/31/23 12:32	1
o-Terphenyl (Surr)	115		70 - 130			01/30/23 14:45	01/31/23 12:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		4.99	mg/Kg			01/30/23 16:16	1

Client Sample ID: C-7, 5'

Lab Sample ID: 880-24203-4

Date Collected: 01/27/23 12:00

Matrix: Solid

Date Received: 01/30/23 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/03/23 14:33	02/05/23 14:42	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/03/23 14:33	02/05/23 14:42	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/03/23 14:33	02/05/23 14:42	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/03/23 14:33	02/05/23 14:42	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/03/23 14:33	02/05/23 14:42	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/03/23 14:33	02/05/23 14:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			02/03/23 14:33	02/05/23 14:42	1
1,4-Difluorobenzene (Surr)	92		70 - 130			02/03/23 14:33	02/05/23 14:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/31/23 14:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/30/23 14:45	01/31/23 12:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/23 14:45	01/31/23 12:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/23 14:45	01/31/23 12:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130			01/30/23 14:45	01/31/23 12:53	1
o-Terphenyl (Surr)	130		70 - 130			01/30/23 14:45	01/31/23 12:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.3		25.3	mg/Kg			01/30/23 16:34	5

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

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)
880-24203-1	SW-3, 0-4'	80	77
880-24203-1 MS	SW-3, 0-4'	102	104
880-24203-1 MSD	SW-3, 0-4'	113	100
880-24203-2	C-22, 4'	67 S1-	87
880-24203-3	C-21, 1'	63 S1-	90
880-24203-4	C-7, 5'	89	92
LCS 880-45402/1-A	Lab Control Sample	94	108
LCSD 880-45402/2-A	Lab Control Sample Dup	81	112
MB 880-45402/5-A	Method Blank	76	93
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-24203-1	SW-3, 0-4'	140 S1+	140 S1+
880-24203-1 MS	SW-3, 0-4'	94	89
880-24203-1 MSD	SW-3, 0-4'	109	101
880-24203-2	C-22, 4'	131 S1+	125
880-24203-3	C-21, 1'	112	115
880-24203-4	C-7, 5'	130	130
LCS 880-45060/2-A	Lab Control Sample	119	107
LCSD 880-45060/3-A	Lab Control Sample Dup	117	106
MB 880-45060/1-A	Method Blank	142 S1+	141 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45402/5-A

Matrix: Solid

Analysis Batch: 45524

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45402

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/03/23 14:33	02/05/23 13:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/03/23 14:33	02/05/23 13:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/03/23 14:33	02/05/23 13:19	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/03/23 14:33	02/05/23 13:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/03/23 14:33	02/05/23 13:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/03/23 14:33	02/05/23 13:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	02/03/23 14:33	02/05/23 13:19	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/03/23 14:33	02/05/23 13:19	1

Lab Sample ID: LCS 880-45402/1-A

Matrix: Solid

Analysis Batch: 45524

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45402

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1107		mg/Kg		111	70 - 130
Toluene	0.100	0.09694		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09355		mg/Kg		94	70 - 130
m,p-Xylenes	0.200	0.1876		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09162		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-45402/2-A

Matrix: Solid

Analysis Batch: 45524

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45402

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1288		mg/Kg		129	70 - 130	15	35
Toluene	0.100	0.1035		mg/Kg		104	70 - 130	7	35
Ethylbenzene	0.100	0.09460		mg/Kg		95	70 - 130	1	35
m,p-Xylenes	0.200	0.1848		mg/Kg		92	70 - 130	1	35
o-Xylene	0.100	0.09047		mg/Kg		90	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-24203-1 MS

Matrix: Solid

Analysis Batch: 45524

Client Sample ID: SW-3, 0-4'

Prep Type: Total/NA

Prep Batch: 45402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.09296		mg/Kg		93	70 - 130
Toluene	<0.00200	U	0.0996	0.08344		mg/Kg		84	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

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

Lab Sample ID: 880-24203-1 MS

Matrix: Solid

Analysis Batch: 45524

Client Sample ID: SW-3, 0-4'

Prep Type: Total/NA

Prep Batch: 45402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0996	0.08079		mg/Kg		81	70 - 130
m,p-Xylenes	<0.00401	U	0.199	0.1695		mg/Kg		85	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08347		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-24203-1 MSD

Matrix: Solid

Analysis Batch: 45524

Client Sample ID: SW-3, 0-4'

Prep Type: Total/NA

Prep Batch: 45402

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	0.08716		mg/Kg		88	70 - 130	6	35
Toluene	<0.00200	U	0.0990	0.08358		mg/Kg		84	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.0990	0.08553		mg/Kg		86	70 - 130	6	35
m,p-Xylenes	<0.00401	U	0.198	0.1810		mg/Kg		91	70 - 130	7	35
o-Xylene	<0.00200	U	0.0990	0.09245		mg/Kg		93	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-45060/1-A

Matrix: Solid

Analysis Batch: 45101

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45060

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/30/23 14:45	01/31/23 08:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/30/23 14:45	01/31/23 08:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/30/23 14:45	01/31/23 08:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	142	S1+	70 - 130	01/30/23 14:45	01/31/23 08:27	1
o-Terphenyl (Surr)	141	S1+	70 - 130	01/30/23 14:45	01/31/23 08:27	1

Lab Sample ID: LCS 880-45060/2-A

Matrix: Solid

Analysis Batch: 45101

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45060

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	999	824.8		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	999	879.8		mg/Kg		88	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

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

Lab Sample ID: LCS 880-45060/2-A
Matrix: Solid
Analysis Batch: 45101

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45060

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	119		70 - 130
o-Terphenyl (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-45060/3-A
Matrix: Solid
Analysis Batch: 45101

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45060

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	908.8		mg/Kg		91	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	999	883.7		mg/Kg		88	70 - 130	0	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	117		70 - 130
o-Terphenyl (Surr)	106		70 - 130

Lab Sample ID: 880-24203-1 MS
Matrix: Solid
Analysis Batch: 45101

Client Sample ID: SW-3, 0-4'
Prep Type: Total/NA
Prep Batch: 45060

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	<50.0	U	1000	1056		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	53.1		1000	1026		mg/Kg		97	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	89		70 - 130

Lab Sample ID: 880-24203-1 MSD
Matrix: Solid
Analysis Batch: 45101

Client Sample ID: SW-3, 0-4'
Prep Type: Total/NA
Prep Batch: 45060

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1146		mg/Kg		112	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	53.1		998	1163		mg/Kg		111	70 - 130	13	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	109		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44967/1-A

Matrix: Solid

Analysis Batch: 45074

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			01/30/23 14:31	1

Lab Sample ID: LCS 880-44967/2-A

Matrix: Solid

Analysis Batch: 45074

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.6		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-44967/3-A

Matrix: Solid

Analysis Batch: 45074

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	254.5		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-24203-3 MS

Matrix: Solid

Analysis Batch: 45074

Client Sample ID: C-21, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	104		250	349.8		mg/Kg		99	90 - 110

Lab Sample ID: 880-24203-3 MSD

Matrix: Solid

Analysis Batch: 45074

Client Sample ID: C-21, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	104		250	360.6		mg/Kg		103	90 - 110	3	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

GC VOA

Prep Batch: 45402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24203-1	SW-3, 0-4'	Total/NA	Solid	5035	
880-24203-2	C-22, 4'	Total/NA	Solid	5035	
880-24203-3	C-21, 1'	Total/NA	Solid	5035	
880-24203-4	C-7, 5'	Total/NA	Solid	5035	
MB 880-45402/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45402/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45402/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24203-1 MS	SW-3, 0-4'	Total/NA	Solid	5035	
880-24203-1 MSD	SW-3, 0-4'	Total/NA	Solid	5035	

Analysis Batch: 45524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24203-1	SW-3, 0-4'	Total/NA	Solid	8021B	45402
880-24203-2	C-22, 4'	Total/NA	Solid	8021B	45402
880-24203-3	C-21, 1'	Total/NA	Solid	8021B	45402
880-24203-4	C-7, 5'	Total/NA	Solid	8021B	45402
MB 880-45402/5-A	Method Blank	Total/NA	Solid	8021B	45402
LCS 880-45402/1-A	Lab Control Sample	Total/NA	Solid	8021B	45402
LCSD 880-45402/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45402
880-24203-1 MS	SW-3, 0-4'	Total/NA	Solid	8021B	45402
880-24203-1 MSD	SW-3, 0-4'	Total/NA	Solid	8021B	45402

Analysis Batch: 45574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24203-1	SW-3, 0-4'	Total/NA	Solid	Total BTEX	
880-24203-2	C-22, 4'	Total/NA	Solid	Total BTEX	
880-24203-3	C-21, 1'	Total/NA	Solid	Total BTEX	
880-24203-4	C-7, 5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 45060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24203-1	SW-3, 0-4'	Total/NA	Solid	8015NM Prep	
880-24203-2	C-22, 4'	Total/NA	Solid	8015NM Prep	
880-24203-3	C-21, 1'	Total/NA	Solid	8015NM Prep	
880-24203-4	C-7, 5'	Total/NA	Solid	8015NM Prep	
MB 880-45060/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45060/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45060/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24203-1 MS	SW-3, 0-4'	Total/NA	Solid	8015NM Prep	
880-24203-1 MSD	SW-3, 0-4'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24203-1	SW-3, 0-4'	Total/NA	Solid	8015B NM	45060
880-24203-2	C-22, 4'	Total/NA	Solid	8015B NM	45060
880-24203-3	C-21, 1'	Total/NA	Solid	8015B NM	45060
880-24203-4	C-7, 5'	Total/NA	Solid	8015B NM	45060
MB 880-45060/1-A	Method Blank	Total/NA	Solid	8015B NM	45060
LCS 880-45060/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45060

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

GC Semi VOA (Continued)

Analysis Batch: 45101 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-45060/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45060
880-24203-1 MS	SW-3, 0-4'	Total/NA	Solid	8015B NM	45060
880-24203-1 MSD	SW-3, 0-4'	Total/NA	Solid	8015B NM	45060

Analysis Batch: 45150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24203-1	SW-3, 0-4'	Total/NA	Solid	8015 NM	
880-24203-2	C-22, 4'	Total/NA	Solid	8015 NM	
880-24203-3	C-21, 1'	Total/NA	Solid	8015 NM	
880-24203-4	C-7, 5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 44967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24203-1	SW-3, 0-4'	Soluble	Solid	DI Leach	
880-24203-2	C-22, 4'	Soluble	Solid	DI Leach	
880-24203-3	C-21, 1'	Soluble	Solid	DI Leach	
880-24203-4	C-7, 5'	Soluble	Solid	DI Leach	
MB 880-44967/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44967/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44967/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24203-3 MS	C-21, 1'	Soluble	Solid	DI Leach	
880-24203-3 MSD	C-21, 1'	Soluble	Solid	DI Leach	

Analysis Batch: 45074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24203-1	SW-3, 0-4'	Soluble	Solid	300.0	44967
880-24203-2	C-22, 4'	Soluble	Solid	300.0	44967
880-24203-3	C-21, 1'	Soluble	Solid	300.0	44967
880-24203-4	C-7, 5'	Soluble	Solid	300.0	44967
MB 880-44967/1-A	Method Blank	Soluble	Solid	300.0	44967
LCS 880-44967/2-A	Lab Control Sample	Soluble	Solid	300.0	44967
LCSD 880-44967/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44967
880-24203-3 MS	C-21, 1'	Soluble	Solid	300.0	44967
880-24203-3 MSD	C-21, 1'	Soluble	Solid	300.0	44967

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

Client Sample ID: SW-3, 0-4'

Lab Sample ID: 880-24203-1

Date Collected: 01/26/23 15:00

Matrix: Solid

Date Received: 01/30/23 09:52

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	45402	02/03/23 14:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45524	02/05/23 13:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45574	02/06/23 11:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			45150	01/31/23 14:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	45060	01/30/23 14:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45101	01/31/23 11:02	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44967	01/30/23 14:00	CH	EET MID
Soluble	Analysis	300.0		5			45074	01/30/23 16:03	CH	EET MID

Client Sample ID: C-22, 4'

Lab Sample ID: 880-24203-2

Date Collected: 01/27/23 08:45

Matrix: Solid

Date Received: 01/30/23 09:52

Prep 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	45402	02/03/23 14:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45524	02/05/23 14:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45574	02/06/23 11:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			45150	01/31/23 14:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45060	01/30/23 14:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45101	01/31/23 12:09	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44967	01/30/23 14:00	CH	EET MID
Soluble	Analysis	300.0		5			45074	01/30/23 16:10	CH	EET MID

Client Sample ID: C-21, 1'

Lab Sample ID: 880-24203-3

Date Collected: 01/27/23 09:00

Matrix: Solid

Date Received: 01/30/23 09:52

Prep 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	45402	02/03/23 14:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45524	02/05/23 14:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45574	02/06/23 11:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			45150	01/31/23 14:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45060	01/30/23 14:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45101	01/31/23 12:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44967	01/30/23 14:00	CH	EET MID
Soluble	Analysis	300.0		1			45074	01/30/23 16:16	CH	EET MID

Client Sample ID: C-7, 5'

Lab Sample ID: 880-24203-4

Date Collected: 01/27/23 12:00

Matrix: Solid

Date Received: 01/30/23 09:52

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	45402	02/03/23 14:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45524	02/05/23 14:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45574	02/06/23 11:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

Client Sample ID: C-7, 5'
Date Collected: 01/27/23 12:00
Date Received: 01/30/23 09:52

Lab Sample ID: 880-24203-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			45150	01/31/23 14:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45060	01/30/23 14:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45101	01/31/23 12:53	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44967	01/30/23 14:00	CH	EET MID
Soluble	Analysis	300.0		5			45074	01/30/23 16:34	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25 36

Job ID: 880-24203-1
SDG: 21-0100-19

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24203-1	SW-3, 0-4'	Solid	01/26/23 15:00	01/30/23 09:52
880-24203-2	C-22, 4'	Solid	01/27/23 08:45	01/30/23 09:52
880-24203-3	C-21, 1'	Solid	01/27/23 09:00	01/30/23 09:52
880-24203-4	C-7, 5'	Solid	01/27/23 12:00	01/30/23 09:52

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2/6/2023

24203 No. 2825
CHAIN-OF-CUSTODY

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-24203-1

SDG Number: 21-0100-19

Login Number: 24203

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/10/2023 12:08:02 PM

JOB DESCRIPTION

CB CAL 25-36
SDG NUMBER 21-0100-19

JOB NUMBER

880-24391-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
2/10/2023 12:08:02 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Laboratory Job ID: 880-24391-1
SDG: 21-0100-19

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Qualifiers

GC VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Job ID: 880-24391-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-24391-1****Receipt**

The samples were received on 2/6/2023 3:24 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.9°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-5, 2' (880-24391-1), C-3, 2' (880-24391-2), C-4, 2' (880-24391-3), SW-6, 0-4.1' (880-24391-4), C-2, 2' (880-24391-5), C-24, 4' (880-24391-6), C-25, 1' (880-24391-7), C-26, 2' (880-24391-8), C-27, 4' (880-24391-9), C-28, 4' (880-24391-10), SW-1, 0-1.1' (880-24391-11), C-29, 1' (880-24391-12), C-32, 1' (880-24391-13), C-31, 1' (880-24391-14), SW-2, 0-4.1' (880-24391-15) and C-30, 1' (880-24391-16).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-45843 and analytical batch 880-45841 was outside control limits. Sample non-homogeneity is suspected.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-45846 and analytical batch 880-45833 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-5, 2'

Lab Sample ID: 880-24391-1

Date Collected: 01/31/23 11:00

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2	0.00200	mg/Kg		02/09/23 08:32	02/09/23 11:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 11:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 11:52	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/09/23 08:32	02/09/23 11:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 11:52	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/09/23 08:32	02/09/23 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	02/09/23 08:32	02/09/23 11:52	1
1,4-Difluorobenzene (Surr)	87		70 - 130	02/09/23 08:32	02/09/23 11:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 11:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0	mg/Kg		02/09/23 09:01	02/09/23 11:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 11:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	61	S1-	70 - 130	02/09/23 09:01	02/09/23 11:28	1
o-Terphenyl (Surr)	72		70 - 130	02/09/23 09:01	02/09/23 11:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	422		24.9	mg/Kg			02/08/23 01:57	5

Client Sample ID: C-3, 2'

Lab Sample ID: 880-24391-2

Date Collected: 01/30/23 15:45

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 12:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 12:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 12:19	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 12:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 12:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/09/23 08:32	02/09/23 12:19	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/09/23 08:32	02/09/23 12:19	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-3, 2'

Lab Sample ID: 880-24391-2

Date Collected: 01/30/23 15:45

Matrix: Solid

Date Received: 02/06/23 15:24

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 12:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 12:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 12:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	53	S1-	70 - 130			02/09/23 09:01	02/09/23 12:35	1
o-Terphenyl (Surr)	63	S1-	70 - 130			02/09/23 09:01	02/09/23 12:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	217		25.0	mg/Kg			02/08/23 02:15	5

Client Sample ID: C-4, 2'

Lab Sample ID: 880-24391-3

Date Collected: 01/30/23 15:30

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 12:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 12:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 12:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 12:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 12:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 12:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			02/09/23 08:32	02/09/23 12:46	1
1,4-Difluorobenzene (Surr)	87		70 - 130			02/09/23 08:32	02/09/23 12:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 12:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 12:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-4, 2'

Lab Sample ID: 880-24391-3

Date Collected: 01/30/23 15:30

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 12:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	46	S1-	70 - 130			02/09/23 09:01	02/09/23 12:57	1
o-Terphenyl (Surr)	54	S1-	70 - 130			02/09/23 09:01	02/09/23 12:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	298		4.99	mg/Kg			02/08/23 02:21	1

Client Sample ID: SW-6, 0-4.1'

Lab Sample ID: 880-24391-4

Date Collected: 01/30/23 11:40

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 13:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 13:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 13:12	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/09/23 08:32	02/09/23 13:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 13:12	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/09/23 08:32	02/09/23 13:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			02/09/23 08:32	02/09/23 13:12	1
1,4-Difluorobenzene (Surr)	93		70 - 130			02/09/23 08:32	02/09/23 13:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 13:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 13:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 13:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	45	S1-	70 - 130			02/09/23 09:01	02/09/23 13:19	1
o-Terphenyl (Surr)	52	S1-	70 - 130			02/09/23 09:01	02/09/23 13:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	569		49.5	mg/Kg			02/08/23 02:28	10

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-2, 2'

Lab Sample ID: 880-24391-5

Date Collected: 01/31/23 12:15

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/09/23 08:32	02/09/23 13:38	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/09/23 08:32	02/09/23 13:38	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/09/23 08:32	02/09/23 13:38	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/09/23 08:32	02/09/23 13:38	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/09/23 08:32	02/09/23 13:38	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/09/23 08:32	02/09/23 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	02/09/23 08:32	02/09/23 13:38	1
1,4-Difluorobenzene (Surr)	82		70 - 130	02/09/23 08:32	02/09/23 13:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 13:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 13:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	47	S1-	70 - 130	02/09/23 09:01	02/09/23 13:42	1
o-Terphenyl (Surr)	55	S1-	70 - 130	02/09/23 09:01	02/09/23 13:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	438		5.00	mg/Kg			02/08/23 09:42	1

Client Sample ID: C-24, 4'

Lab Sample ID: 880-24391-6

Date Collected: 01/31/23 14:00

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/09/23 08:32	02/09/23 14:04	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/09/23 08:32	02/09/23 14:04	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/09/23 08:32	02/09/23 14:04	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/09/23 08:32	02/09/23 14:04	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/09/23 08:32	02/09/23 14:04	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/09/23 08:32	02/09/23 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	02/09/23 08:32	02/09/23 14:04	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/09/23 08:32	02/09/23 14:04	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-24, 4'

Lab Sample ID: 880-24391-6

Date Collected: 01/31/23 14:00

Matrix: Solid

Date Received: 02/06/23 15:24

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 14:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 14:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 14:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	46	S1-	70 - 130			02/09/23 09:01	02/09/23 14:03	1
o-Terphenyl (Surr)	53	S1-	70 - 130			02/09/23 09:01	02/09/23 14:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		24.9	mg/Kg			02/08/23 10:01	5

Client Sample ID: C-25, 1'

Lab Sample ID: 880-24391-7

Date Collected: 02/01/23 10:00

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 14:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 14:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 14:30	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 14:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 14:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 14:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			02/09/23 08:32	02/09/23 14:30	1
1,4-Difluorobenzene (Surr)	92		70 - 130			02/09/23 08:32	02/09/23 14:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 14:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 14:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-25, 1'

Lab Sample ID: 880-24391-7

Date Collected: 02/01/23 10:00

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 14:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	46	S1-	70 - 130			02/09/23 09:01	02/09/23 14:25	1
o-Terphenyl (Surr)	54	S1-	70 - 130			02/09/23 09:01	02/09/23 14:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	289		4.99	mg/Kg			02/08/23 10:07	1

Client Sample ID: C-26, 2'

Lab Sample ID: 880-24391-8

Date Collected: 02/01/23 10:15

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 14:56	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 14:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 14:56	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 14:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 14:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 14:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			02/09/23 08:32	02/09/23 14:56	1
1,4-Difluorobenzene (Surr)	88		70 - 130			02/09/23 08:32	02/09/23 14:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 14:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 14:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 14:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	44	S1-	70 - 130			02/09/23 09:01	02/09/23 14:48	1
o-Terphenyl (Surr)	51	S1-	70 - 130			02/09/23 09:01	02/09/23 14:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	620		25.1	mg/Kg			02/08/23 10:13	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-27, 4'

Lab Sample ID: 880-24391-9

Date Collected: 02/01/23 11:30

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 15:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 15:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 15:22	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/09/23 08:32	02/09/23 15:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 15:22	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/09/23 08:32	02/09/23 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	02/09/23 08:32	02/09/23 15:22	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/09/23 08:32	02/09/23 15:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 15:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 15:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	49	S1-	70 - 130	02/09/23 09:01	02/09/23 15:09	1
o-Terphenyl (Surr)	59	S1-	70 - 130	02/09/23 09:01	02/09/23 15:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		24.8	mg/Kg			02/08/23 10:19	5

Client Sample ID: C-28, 4'

Lab Sample ID: 880-24391-10

Date Collected: 02/01/23 11:45

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 15:49	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 15:49	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 15:49	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 15:49	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 15:49	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/09/23 08:32	02/09/23 15:49	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/09/23 08:32	02/09/23 15:49	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-28, 4'

Lab Sample ID: 880-24391-10

Date Collected: 02/01/23 11:45

Matrix: Solid

Date Received: 02/06/23 15:24

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 15:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 15:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 15:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	46	S1-	70 - 130			02/09/23 09:01	02/09/23 15:31	1
o-Terphenyl (Surr)	55	S1-	70 - 130			02/09/23 09:01	02/09/23 15:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	426		25.1	mg/Kg			02/08/23 10:25	5

Client Sample ID: SW-1, 0-1.1'

Lab Sample ID: 880-24391-11

Date Collected: 02/02/23 13:00

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 18:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 18:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 18:18	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/09/23 08:32	02/09/23 18:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 18:18	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/09/23 08:32	02/09/23 18:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			02/09/23 08:32	02/09/23 18:18	1
1,4-Difluorobenzene (Surr)	93		70 - 130			02/09/23 08:32	02/09/23 18:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 16:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 16:15	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: SW-1, 0-1.1'

Lab Sample ID: 880-24391-11

Date Collected: 02/02/23 13:00

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 16:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	49	S1-	70 - 130			02/09/23 09:01	02/09/23 16:15	1
o-Terphenyl (Surr)	58	S1-	70 - 130			02/09/23 09:01	02/09/23 16:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	655		24.9	mg/Kg			02/08/23 10:31	5

Client Sample ID: C-29, 1'

Lab Sample ID: 880-24391-12

Date Collected: 02/03/23 10:30

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 18:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 18:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 18:44	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 18:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 18:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			02/09/23 08:32	02/09/23 18:44	1
1,4-Difluorobenzene (Surr)	91		70 - 130			02/09/23 08:32	02/09/23 18:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 16:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 16:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 16:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	45	S1-	70 - 130			02/09/23 09:01	02/09/23 16:37	1
o-Terphenyl (Surr)	53	S1-	70 - 130			02/09/23 09:01	02/09/23 16:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		5.00	mg/Kg			02/08/23 10:50	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-32, 1'

Lab Sample ID: 880-24391-13

Date Collected: 02/03/23 12:15

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 19:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 19:10	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 19:10	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 19:10	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/09/23 08:32	02/09/23 19:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/09/23 08:32	02/09/23 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	02/09/23 08:32	02/09/23 19:10	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/09/23 08:32	02/09/23 19:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 16:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 16:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	49	S1-	70 - 130	02/09/23 09:01	02/09/23 16:59	1
o-Terphenyl (Surr)	57	S1-	70 - 130	02/09/23 09:01	02/09/23 16:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		4.99	mg/Kg			02/08/23 10:56	1

Client Sample ID: C-31, 1'

Lab Sample ID: 880-24391-14

Date Collected: 02/03/23 12:00

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 19:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 19:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 19:36	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/09/23 08:32	02/09/23 19:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 19:36	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/09/23 08:32	02/09/23 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/09/23 08:32	02/09/23 19:36	1
1,4-Difluorobenzene (Surr)	84		70 - 130	02/09/23 08:32	02/09/23 19:36	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-31, 1'

Lab Sample ID: 880-24391-14

Date Collected: 02/03/23 12:00

Matrix: Solid

Date Received: 02/06/23 15:24

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 17:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 17:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/09/23 09:01	02/09/23 17:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	48	S1-	70 - 130			02/09/23 09:01	02/09/23 17:21	1
o-Terphenyl (Surr)	55	S1-	70 - 130			02/09/23 09:01	02/09/23 17:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		4.95	mg/Kg			02/08/23 11:15	1

Client Sample ID: SW-2, 0-4.1'

Lab Sample ID: 880-24391-15

Date Collected: 02/03/23 11:45

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/09/23 08:32	02/09/23 20:03	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/09/23 08:32	02/09/23 20:03	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/09/23 08:32	02/09/23 20:03	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/09/23 08:32	02/09/23 20:03	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/09/23 08:32	02/09/23 20:03	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/09/23 08:32	02/09/23 20:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			02/09/23 08:32	02/09/23 20:03	1
1,4-Difluorobenzene (Surr)	94		70 - 130			02/09/23 08:32	02/09/23 20:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 17:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 17:43	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: SW-2, 0-4.1'

Lab Sample ID: 880-24391-15

Date Collected: 02/03/23 11:45

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 17:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	54	S1-	70 - 130			02/09/23 09:01	02/09/23 17:43	1
o-Terphenyl (Surr)	62	S1-	70 - 130			02/09/23 09:01	02/09/23 17:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	435		24.8	mg/Kg			02/08/23 11:21	5

Client Sample ID: C-30, 1'

Lab Sample ID: 880-24391-16

Date Collected: 02/03/23 10:45

Matrix: Solid

Date Received: 02/06/23 15:24

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 20:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 20:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 20:29	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/09/23 08:32	02/09/23 20:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 20:29	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/09/23 08:32	02/09/23 20:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			02/09/23 08:32	02/09/23 20:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130			02/09/23 08:32	02/09/23 20:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/09/23 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 18:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 18:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 18:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	50	S1-	70 - 130			02/09/23 09:01	02/09/23 18:05	1
o-Terphenyl (Surr)	59	S1-	70 - 130			02/09/23 09:01	02/09/23 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		24.9	mg/Kg			02/08/23 11:27	5

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-24391-1	C-5, 2'	90	87
880-24391-1 MS	C-5, 2'	107	103
880-24391-1 MSD	C-5, 2'	109	97
880-24391-2	C-3, 2'	110	93
880-24391-3	C-4, 2'	98	87
880-24391-4	SW-6, 0-4.1'	112	93
880-24391-5	C-2, 2'	92	82
880-24391-6	C-24, 4'	122	96
880-24391-7	C-25, 1'	111	92
880-24391-8	C-26, 2'	111	88
880-24391-9	C-27, 4'	109	96
880-24391-10	C-28, 4'	99	91
880-24391-11	SW-1, 0-1.1'	109	93
880-24391-12	C-29, 1'	108	91
880-24391-13	C-32, 1'	116	94
880-24391-14	C-31, 1'	99	84
880-24391-15	SW-2, 0-4.1'	108	94
880-24391-16	C-30, 1'	117	91
LCS 880-45843/1-A	Lab Control Sample	117	94
LCSD 880-45843/2-A	Lab Control Sample Dup	109	90
MB 880-45843/5-A	Method Blank	76	89
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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-24391-1	C-5, 2'	61 S1-	72
880-24391-1 MS	C-5, 2'	74	75
880-24391-1 MSD	C-5, 2'	75	74
880-24391-2	C-3, 2'	53 S1-	63 S1-
880-24391-3	C-4, 2'	46 S1-	54 S1-
880-24391-4	SW-6, 0-4.1'	45 S1-	52 S1-
880-24391-5	C-2, 2'	47 S1-	55 S1-
880-24391-6	C-24, 4'	46 S1-	53 S1-
880-24391-7	C-25, 1'	46 S1-	54 S1-
880-24391-8	C-26, 2'	44 S1-	51 S1-
880-24391-9	C-27, 4'	49 S1-	59 S1-
880-24391-10	C-28, 4'	46 S1-	55 S1-
880-24391-11	SW-1, 0-1.1'	49 S1-	58 S1-
880-24391-12	C-29, 1'	45 S1-	53 S1-
880-24391-13	C-32, 1'	49 S1-	57 S1-
880-24391-14	C-31, 1'	48 S1-	55 S1-
880-24391-15	SW-2, 0-4.1'	54 S1-	62 S1-
880-24391-16	C-30, 1'	50 S1-	59 S1-

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCS 880-45846/2-A	Lab Control Sample	90	101
LCSD 880-45846/3-A	Lab Control Sample Dup	88	101
MB 880-45846/1-A	Method Blank	125	151 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45843/5-A

Matrix: Solid

Analysis Batch: 45841

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45843

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 11:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 11:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 11:26	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/09/23 08:32	02/09/23 11:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/09/23 08:32	02/09/23 11:26	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/09/23 08:32	02/09/23 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	02/09/23 08:32	02/09/23 11:26	1
1,4-Difluorobenzene (Surr)	89		70 - 130	02/09/23 08:32	02/09/23 11:26	1

Lab Sample ID: LCS 880-45843/1-A

Matrix: Solid

Analysis Batch: 45841

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1048		mg/Kg		105	70 - 130
Toluene	0.100	0.1134		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1161		mg/Kg		116	70 - 130
m,p-Xylenes	0.200	0.2257		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1143		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-45843/2-A

Matrix: Solid

Analysis Batch: 45841

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45843

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09960		mg/Kg		100	70 - 130	5	35
Toluene	0.100	0.1123		mg/Kg		112	70 - 130	1	35
Ethylbenzene	0.100	0.1141		mg/Kg		114	70 - 130	2	35
m,p-Xylenes	0.200	0.2246		mg/Kg		112	70 - 130	0	35
o-Xylene	0.100	0.1135		mg/Kg		113	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-24391-1 MS

Matrix: Solid

Analysis Batch: 45841

Client Sample ID: C-5, 2'

Prep Type: Total/NA

Prep Batch: 45843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2	0.100	0.1222		mg/Kg		122	70 - 130
Toluene	<0.00200	U	0.100	0.1137		mg/Kg		113	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

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

Lab Sample ID: 880-24391-1 MS

Matrix: Solid

Analysis Batch: 45841

Client Sample ID: C-5, 2'

Prep Type: Total/NA

Prep Batch: 45843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1193		mg/Kg		119	70 - 130
m,p-Xylenes	<0.00401	U	0.201	0.2326		mg/Kg		116	70 - 130
o-Xylene	<0.00200	U	0.100	0.1162		mg/Kg		116	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-24391-1 MSD

Matrix: Solid

Analysis Batch: 45841

Client Sample ID: C-5, 2'

Prep Type: Total/NA

Prep Batch: 45843

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2	0.0990	0.08102	F2	mg/Kg		82	70 - 130	41	35
Toluene	<0.00200	U	0.0990	0.08050		mg/Kg		81	70 - 130	34	35
Ethylbenzene	<0.00200	U	0.0990	0.08495		mg/Kg		86	70 - 130	34	35
m,p-Xylenes	<0.00401	U	0.198	0.1651		mg/Kg		83	70 - 130	34	35
o-Xylene	<0.00200	U	0.0990	0.08441		mg/Kg		85	70 - 130	32	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-45846/1-A

Matrix: Solid

Analysis Batch: 45833

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45846

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 08:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 08:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 09:01	02/09/23 08:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130	02/09/23 09:01	02/09/23 08:52	1
o-Terphenyl (Surr)	151	S1+	70 - 130	02/09/23 09:01	02/09/23 08:52	1

Lab Sample ID: LCS 880-45846/2-A

Matrix: Solid

Analysis Batch: 45833

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	901.1		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	788.6		mg/Kg		79	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

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

Lab Sample ID: LCS 880-45846/2-A

Matrix: Solid

Analysis Batch: 45833

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45846

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	90		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-45846/3-A

Matrix: Solid

Analysis Batch: 45833

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45846

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	824.7		mg/Kg		82	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	830.5		mg/Kg		83	70 - 130	5	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	88		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Lab Sample ID: 880-24391-1 MS

Matrix: Solid

Analysis Batch: 45833

Client Sample ID: C-5, 2'

Prep Type: Total/NA

Prep Batch: 45846

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	<50.0	U	998	1156		mg/Kg		113	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	1348	F1	mg/Kg		132	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	74		70 - 130
o-Terphenyl (Surr)	75		70 - 130

Lab Sample ID: 880-24391-1 MSD

Matrix: Solid

Analysis Batch: 45833

Client Sample ID: C-5, 2'

Prep Type: Total/NA

Prep Batch: 45846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1127		mg/Kg		110	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	1368	F1	mg/Kg		134	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	75		70 - 130
o-Terphenyl (Surr)	74		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45660/1-A

Matrix: Solid

Analysis Batch: 45762

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/08/23 01:38	1

Lab Sample ID: LCS 880-45660/2-A

Matrix: Solid

Analysis Batch: 45762

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.8		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-45660/3-A

Matrix: Solid

Analysis Batch: 45762

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	238.5		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-24391-1 MS

Matrix: Solid

Analysis Batch: 45762

Client Sample ID: C-5, 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	422		1250	1678		mg/Kg		101	90 - 110

Lab Sample ID: 880-24391-1 MSD

Matrix: Solid

Analysis Batch: 45762

Client Sample ID: C-5, 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	422		1250	1687		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-24391-11 MS

Matrix: Solid

Analysis Batch: 45762

Client Sample ID: SW-1, 0-1.1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	655		1240	1921		mg/Kg		102	90 - 110

Lab Sample ID: 880-24391-11 MSD

Matrix: Solid

Analysis Batch: 45762

Client Sample ID: SW-1, 0-1.1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	655		1240	1928		mg/Kg		102	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

GC VOA

Analysis Batch: 45841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24391-1	C-5, 2'	Total/NA	Solid	8021B	45843
880-24391-2	C-3, 2'	Total/NA	Solid	8021B	45843
880-24391-3	C-4, 2'	Total/NA	Solid	8021B	45843
880-24391-4	SW-6, 0-4.1'	Total/NA	Solid	8021B	45843
880-24391-5	C-2, 2'	Total/NA	Solid	8021B	45843
880-24391-6	C-24, 4'	Total/NA	Solid	8021B	45843
880-24391-7	C-25, 1'	Total/NA	Solid	8021B	45843
880-24391-8	C-26, 2'	Total/NA	Solid	8021B	45843
880-24391-9	C-27, 4'	Total/NA	Solid	8021B	45843
880-24391-10	C-28, 4'	Total/NA	Solid	8021B	45843
880-24391-11	SW-1, 0-1.1'	Total/NA	Solid	8021B	45843
880-24391-12	C-29, 1'	Total/NA	Solid	8021B	45843
880-24391-13	C-32, 1'	Total/NA	Solid	8021B	45843
880-24391-14	C-31, 1'	Total/NA	Solid	8021B	45843
880-24391-15	SW-2, 0-4.1'	Total/NA	Solid	8021B	45843
880-24391-16	C-30, 1'	Total/NA	Solid	8021B	45843
MB 880-45843/5-A	Method Blank	Total/NA	Solid	8021B	45843
LCS 880-45843/1-A	Lab Control Sample	Total/NA	Solid	8021B	45843
LCSD 880-45843/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45843
880-24391-1 MS	C-5, 2'	Total/NA	Solid	8021B	45843
880-24391-1 MSD	C-5, 2'	Total/NA	Solid	8021B	45843

Prep Batch: 45843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24391-1	C-5, 2'	Total/NA	Solid	5035	
880-24391-2	C-3, 2'	Total/NA	Solid	5035	
880-24391-3	C-4, 2'	Total/NA	Solid	5035	
880-24391-4	SW-6, 0-4.1'	Total/NA	Solid	5035	
880-24391-5	C-2, 2'	Total/NA	Solid	5035	
880-24391-6	C-24, 4'	Total/NA	Solid	5035	
880-24391-7	C-25, 1'	Total/NA	Solid	5035	
880-24391-8	C-26, 2'	Total/NA	Solid	5035	
880-24391-9	C-27, 4'	Total/NA	Solid	5035	
880-24391-10	C-28, 4'	Total/NA	Solid	5035	
880-24391-11	SW-1, 0-1.1'	Total/NA	Solid	5035	
880-24391-12	C-29, 1'	Total/NA	Solid	5035	
880-24391-13	C-32, 1'	Total/NA	Solid	5035	
880-24391-14	C-31, 1'	Total/NA	Solid	5035	
880-24391-15	SW-2, 0-4.1'	Total/NA	Solid	5035	
880-24391-16	C-30, 1'	Total/NA	Solid	5035	
MB 880-45843/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45843/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45843/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24391-1 MS	C-5, 2'	Total/NA	Solid	5035	
880-24391-1 MSD	C-5, 2'	Total/NA	Solid	5035	

Analysis Batch: 45991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24391-1	C-5, 2'	Total/NA	Solid	Total BTEX	
880-24391-2	C-3, 2'	Total/NA	Solid	Total BTEX	
880-24391-3	C-4, 2'	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

GC VOA (Continued)

Analysis Batch: 45991 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24391-4	SW-6, 0-4.1'	Total/NA	Solid	Total BTEX	
880-24391-5	C-2, 2'	Total/NA	Solid	Total BTEX	
880-24391-6	C-24, 4'	Total/NA	Solid	Total BTEX	
880-24391-7	C-25, 1'	Total/NA	Solid	Total BTEX	
880-24391-8	C-26, 2'	Total/NA	Solid	Total BTEX	
880-24391-9	C-27, 4'	Total/NA	Solid	Total BTEX	
880-24391-10	C-28, 4'	Total/NA	Solid	Total BTEX	
880-24391-11	SW-1, 0-1.1'	Total/NA	Solid	Total BTEX	
880-24391-12	C-29, 1'	Total/NA	Solid	Total BTEX	
880-24391-13	C-32, 1'	Total/NA	Solid	Total BTEX	
880-24391-14	C-31, 1'	Total/NA	Solid	Total BTEX	
880-24391-15	SW-2, 0-4.1'	Total/NA	Solid	Total BTEX	
880-24391-16	C-30, 1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 45833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24391-1	C-5, 2'	Total/NA	Solid	8015B NM	45846
880-24391-2	C-3, 2'	Total/NA	Solid	8015B NM	45846
880-24391-3	C-4, 2'	Total/NA	Solid	8015B NM	45846
880-24391-4	SW-6, 0-4.1'	Total/NA	Solid	8015B NM	45846
880-24391-5	C-2, 2'	Total/NA	Solid	8015B NM	45846
880-24391-6	C-24, 4'	Total/NA	Solid	8015B NM	45846
880-24391-7	C-25, 1'	Total/NA	Solid	8015B NM	45846
880-24391-8	C-26, 2'	Total/NA	Solid	8015B NM	45846
880-24391-9	C-27, 4'	Total/NA	Solid	8015B NM	45846
880-24391-10	C-28, 4'	Total/NA	Solid	8015B NM	45846
880-24391-11	SW-1, 0-1.1'	Total/NA	Solid	8015B NM	45846
880-24391-12	C-29, 1'	Total/NA	Solid	8015B NM	45846
880-24391-13	C-32, 1'	Total/NA	Solid	8015B NM	45846
880-24391-14	C-31, 1'	Total/NA	Solid	8015B NM	45846
880-24391-15	SW-2, 0-4.1'	Total/NA	Solid	8015B NM	45846
880-24391-16	C-30, 1'	Total/NA	Solid	8015B NM	45846
MB 880-45846/1-A	Method Blank	Total/NA	Solid	8015B NM	45846
LCS 880-45846/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45846
LCSD 880-45846/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45846
880-24391-1 MS	C-5, 2'	Total/NA	Solid	8015B NM	45846
880-24391-1 MSD	C-5, 2'	Total/NA	Solid	8015B NM	45846

Prep Batch: 45846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24391-1	C-5, 2'	Total/NA	Solid	8015NM Prep	
880-24391-2	C-3, 2'	Total/NA	Solid	8015NM Prep	
880-24391-3	C-4, 2'	Total/NA	Solid	8015NM Prep	
880-24391-4	SW-6, 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24391-5	C-2, 2'	Total/NA	Solid	8015NM Prep	
880-24391-6	C-24, 4'	Total/NA	Solid	8015NM Prep	
880-24391-7	C-25, 1'	Total/NA	Solid	8015NM Prep	
880-24391-8	C-26, 2'	Total/NA	Solid	8015NM Prep	
880-24391-9	C-27, 4'	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

GC Semi VOA (Continued)

Prep Batch: 45846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24391-10	C-28, 4'	Total/NA	Solid	8015NM Prep	
880-24391-11	SW-1, 0-1.1'	Total/NA	Solid	8015NM Prep	
880-24391-12	C-29, 1'	Total/NA	Solid	8015NM Prep	
880-24391-13	C-32, 1'	Total/NA	Solid	8015NM Prep	
880-24391-14	C-31, 1'	Total/NA	Solid	8015NM Prep	
880-24391-15	SW-2, 0-4.1'	Total/NA	Solid	8015NM Prep	
880-24391-16	C-30, 1'	Total/NA	Solid	8015NM Prep	
MB 880-45846/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45846/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45846/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24391-1 MS	C-5, 2'	Total/NA	Solid	8015NM Prep	
880-24391-1 MSD	C-5, 2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24391-1	C-5, 2'	Total/NA	Solid	8015 NM	
880-24391-2	C-3, 2'	Total/NA	Solid	8015 NM	
880-24391-3	C-4, 2'	Total/NA	Solid	8015 NM	
880-24391-4	SW-6, 0-4.1'	Total/NA	Solid	8015 NM	
880-24391-5	C-2, 2'	Total/NA	Solid	8015 NM	
880-24391-6	C-24, 4'	Total/NA	Solid	8015 NM	
880-24391-7	C-25, 1'	Total/NA	Solid	8015 NM	
880-24391-8	C-26, 2'	Total/NA	Solid	8015 NM	
880-24391-9	C-27, 4'	Total/NA	Solid	8015 NM	
880-24391-10	C-28, 4'	Total/NA	Solid	8015 NM	
880-24391-11	SW-1, 0-1.1'	Total/NA	Solid	8015 NM	
880-24391-12	C-29, 1'	Total/NA	Solid	8015 NM	
880-24391-13	C-32, 1'	Total/NA	Solid	8015 NM	
880-24391-14	C-31, 1'	Total/NA	Solid	8015 NM	
880-24391-15	SW-2, 0-4.1'	Total/NA	Solid	8015 NM	
880-24391-16	C-30, 1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 45660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24391-1	C-5, 2'	Soluble	Solid	DI Leach	
880-24391-2	C-3, 2'	Soluble	Solid	DI Leach	
880-24391-3	C-4, 2'	Soluble	Solid	DI Leach	
880-24391-4	SW-6, 0-4.1'	Soluble	Solid	DI Leach	
880-24391-5	C-2, 2'	Soluble	Solid	DI Leach	
880-24391-6	C-24, 4'	Soluble	Solid	DI Leach	
880-24391-7	C-25, 1'	Soluble	Solid	DI Leach	
880-24391-8	C-26, 2'	Soluble	Solid	DI Leach	
880-24391-9	C-27, 4'	Soluble	Solid	DI Leach	
880-24391-10	C-28, 4'	Soluble	Solid	DI Leach	
880-24391-11	SW-1, 0-1.1'	Soluble	Solid	DI Leach	
880-24391-12	C-29, 1'	Soluble	Solid	DI Leach	
880-24391-13	C-32, 1'	Soluble	Solid	DI Leach	
880-24391-14	C-31, 1'	Soluble	Solid	DI Leach	
880-24391-15	SW-2, 0-4.1'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

HPLC/IC (Continued)

Leach Batch: 45660 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24391-16	C-30, 1'	Soluble	Solid	DI Leach	
MB 880-45660/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45660/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45660/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24391-1 MS	C-5, 2'	Soluble	Solid	DI Leach	
880-24391-1 MSD	C-5, 2'	Soluble	Solid	DI Leach	
880-24391-11 MS	SW-1, 0-1.1'	Soluble	Solid	DI Leach	
880-24391-11 MSD	SW-1, 0-1.1'	Soluble	Solid	DI Leach	

Analysis Batch: 45762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24391-1	C-5, 2'	Soluble	Solid	300.0	45660
880-24391-2	C-3, 2'	Soluble	Solid	300.0	45660
880-24391-3	C-4, 2'	Soluble	Solid	300.0	45660
880-24391-4	SW-6, 0-4.1'	Soluble	Solid	300.0	45660
880-24391-5	C-2, 2'	Soluble	Solid	300.0	45660
880-24391-6	C-24, 4'	Soluble	Solid	300.0	45660
880-24391-7	C-25, 1'	Soluble	Solid	300.0	45660
880-24391-8	C-26, 2'	Soluble	Solid	300.0	45660
880-24391-9	C-27, 4'	Soluble	Solid	300.0	45660
880-24391-10	C-28, 4'	Soluble	Solid	300.0	45660
880-24391-11	SW-1, 0-1.1'	Soluble	Solid	300.0	45660
880-24391-12	C-29, 1'	Soluble	Solid	300.0	45660
880-24391-13	C-32, 1'	Soluble	Solid	300.0	45660
880-24391-14	C-31, 1'	Soluble	Solid	300.0	45660
880-24391-15	SW-2, 0-4.1'	Soluble	Solid	300.0	45660
880-24391-16	C-30, 1'	Soluble	Solid	300.0	45660
MB 880-45660/1-A	Method Blank	Soluble	Solid	300.0	45660
LCS 880-45660/2-A	Lab Control Sample	Soluble	Solid	300.0	45660
LCSD 880-45660/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45660
880-24391-1 MS	C-5, 2'	Soluble	Solid	300.0	45660
880-24391-1 MSD	C-5, 2'	Soluble	Solid	300.0	45660
880-24391-11 MS	SW-1, 0-1.1'	Soluble	Solid	300.0	45660
880-24391-11 MSD	SW-1, 0-1.1'	Soluble	Solid	300.0	45660

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-5, 2'

Lab Sample ID: 880-24391-1

Date Collected: 01/31/23 11:00

Matrix: Solid

Date Received: 02/06/23 15:24

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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 11:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 11:28	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		5			45762	02/08/23 01:57	CH	EET MID

Client Sample ID: C-3, 2'

Lab Sample ID: 880-24391-2

Date Collected: 01/30/23 15:45

Matrix: Solid

Date Received: 02/06/23 15:24

Prep 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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 12:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 12:35	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		5			45762	02/08/23 02:15	CH	EET MID

Client Sample ID: C-4, 2'

Lab Sample ID: 880-24391-3

Date Collected: 01/30/23 15:30

Matrix: Solid

Date Received: 02/06/23 15:24

Prep 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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 12:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 12:57	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		1			45762	02/08/23 02:21	CH	EET MID

Client Sample ID: SW-6, 0-4.1'

Lab Sample ID: 880-24391-4

Date Collected: 01/30/23 11:40

Matrix: Solid

Date Received: 02/06/23 15:24

Prep 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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: SW-6, 0-4.1'

Lab Sample ID: 880-24391-4

Date Collected: 01/30/23 11:40

Matrix: Solid

Date Received: 02/06/23 15:24

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			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 13:19	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		10			45762	02/08/23 02:28	CH	EET MID

Client Sample ID: C-2, 2'

Lab Sample ID: 880-24391-5

Date Collected: 01/31/23 12:15

Matrix: Solid

Date Received: 02/06/23 15:24

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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 13:42	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		1			45762	02/08/23 09:42	CH	EET MID

Client Sample ID: C-24, 4'

Lab Sample ID: 880-24391-6

Date Collected: 01/31/23 14:00

Matrix: Solid

Date Received: 02/06/23 15:24

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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 14:03	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		5			45762	02/08/23 10:01	CH	EET MID

Client Sample ID: C-25, 1'

Lab Sample ID: 880-24391-7

Date Collected: 02/01/23 10:00

Matrix: Solid

Date Received: 02/06/23 15:24

Prep 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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 14:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 14:25	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-25, 1'

Lab Sample ID: 880-24391-7

Date Collected: 02/01/23 10:00

Matrix: Solid

Date Received: 02/06/23 15:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		1			45762	02/08/23 10:07	CH	EET MID

Client Sample ID: C-26, 2'

Lab Sample ID: 880-24391-8

Date Collected: 02/01/23 10:15

Matrix: Solid

Date Received: 02/06/23 15:24

Prep 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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 14:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 14:48	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		5			45762	02/08/23 10:13	CH	EET MID

Client Sample ID: C-27, 4'

Lab Sample ID: 880-24391-9

Date Collected: 02/01/23 11:30

Matrix: Solid

Date Received: 02/06/23 15:24

Prep 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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 15:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 15:09	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		5			45762	02/08/23 10:19	CH	EET MID

Client Sample ID: C-28, 4'

Lab Sample ID: 880-24391-10

Date Collected: 02/01/23 11:45

Matrix: Solid

Date Received: 02/06/23 15:24

Prep 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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 15:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 15:31	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		5			45762	02/08/23 10:25	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: SW-1, 0-1.1'

Lab Sample ID: 880-24391-11

Date Collected: 02/02/23 13:00

Matrix: Solid

Date Received: 02/06/23 15:24

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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 18:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 16:15	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		5			45762	02/08/23 10:31	CH	EET MID

Client Sample ID: C-29, 1'

Lab Sample ID: 880-24391-12

Date Collected: 02/03/23 10:30

Matrix: Solid

Date Received: 02/06/23 15:24

Prep 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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 16:37	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		1			45762	02/08/23 10:50	CH	EET MID

Client Sample ID: C-32, 1'

Lab Sample ID: 880-24391-13

Date Collected: 02/03/23 12:15

Matrix: Solid

Date Received: 02/06/23 15:24

Prep 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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 19:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 16:59	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		1			45762	02/08/23 10:56	CH	EET MID

Client Sample ID: C-31, 1'

Lab Sample ID: 880-24391-14

Date Collected: 02/03/23 12:00

Matrix: Solid

Date Received: 02/06/23 15:24

Prep 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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Client Sample ID: C-31, 1'

Lab Sample ID: 880-24391-14

Date Collected: 02/03/23 12:00

Matrix: Solid

Date Received: 02/06/23 15:24

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			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 17:21	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		1			45762	02/08/23 11:15	CH	EET MID

Client Sample ID: SW-2, 0-4.1'

Lab Sample ID: 880-24391-15

Date Collected: 02/03/23 11:45

Matrix: Solid

Date Received: 02/06/23 15:24

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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 20:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 17:43	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		5			45762	02/08/23 11:21	CH	EET MID

Client Sample ID: C-30, 1'

Lab Sample ID: 880-24391-16

Date Collected: 02/03/23 10:45

Matrix: Solid

Date Received: 02/06/23 15:24

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	45843	02/09/23 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/09/23 20:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45991	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			45936	02/09/23 20:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45846	02/09/23 09:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45833	02/09/23 18:05	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45660	02/07/23 09:22	KS	EET MID
Soluble	Analysis	300.0		5			45762	02/08/23 11:27	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24391-1
SDG: 21-0100-19

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24391-1	C-5, 2'	Solid	01/31/23 11:00	02/06/23 15:24
880-24391-2	C-3, 2'	Solid	01/30/23 15:45	02/06/23 15:24
880-24391-3	C-4, 2'	Solid	01/30/23 15:30	02/06/23 15:24
880-24391-4	SW-6, 0-4.1'	Solid	01/30/23 11:40	02/06/23 15:24
880-24391-5	C-2, 2'	Solid	01/31/23 12:15	02/06/23 15:24
880-24391-6	C-24, 4'	Solid	01/31/23 14:00	02/06/23 15:24
880-24391-7	C-25, 1'	Solid	02/01/23 10:00	02/06/23 15:24
880-24391-8	C-26, 2'	Solid	02/01/23 10:15	02/06/23 15:24
880-24391-9	C-27, 4'	Solid	02/01/23 11:30	02/06/23 15:24
880-24391-10	C-28, 4'	Solid	02/01/23 11:45	02/06/23 15:24
880-24391-11	SW-1, 0-1.1'	Solid	02/02/23 13:00	02/06/23 15:24
880-24391-12	C-29, 1'	Solid	02/03/23 10:30	02/06/23 15:24
880-24391-13	C-32, 1'	Solid	02/03/23 12:15	02/06/23 15:24
880-24391-14	C-31, 1'	Solid	02/03/23 12:00	02/06/23 15:24
880-24391-15	SW-2, 0-4.1'	Solid	02/03/23 11:45	02/06/23 15:24
880-24391-16	C-30, 1'	Solid	02/03/23 10:45	02/06/23 15:24

24391 No. 2976
CHAIN-OF-CUSTODY

DATE 6-3-23 PAGE 1 OF 2

PO# _____ LAB WORK ORDER# _____

PROJECT LOCATION OR NAME	
CBCAL 2536	

LAI PROJECT # 2-6-00-19

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

LAarson & associates, Inc.
Environmental Consultants

Data Reported to

[illegible]

RELINQUISHED BY (Signature) <u>David S. [Signature]</u>	DATE/TIME <u>2/16/13 1524</u>	RECEIVED BY (Signature) <u>[Signature]</u>	TURN AROUND TIME NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐	LABORATORY USE ONLY: RECEIVING TEMP <u>5-2649</u> THERM# <u>DRE-3</u> CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED ☐ CARRIER BILL # _____
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)		
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)		
LABORATORY	Y r w e o			

24391 No. 2977

CHAIN-OF-CUSTODY

Arson & Associates, Inc. Environmental Consultants		507 N. Marrenfeld, Ste. 202 Midland, TX 79701 432-687-0901		DATE <u>2-3-23</u> PAGE <u>3</u> OF <u>2</u> PO# _____ LAB WORK ORDER# _____ PROJECT LOCATION OR NAME <u>CB CAL 25-36</u> LAI PROJECT # <u>21-0100-19</u> COLLECTOR _____	
Data Reported to TRRP report? ☐ Yes ☒ No TIME ZONE <u>Mnt / NM</u> Field Sample ID <u>C-30, 1'</u>		S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER Lab # <u>2-3-23 1045</u> Date <u>2-3-23 1045</u> Matrix <u>S</u>		# of Containers <u>1</u> PRESERVATION HCl ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ ICE ☐ UNPRESERVED ☐	
ANALYSES TPH 418 ☒ BTEX ☒ GASOLINE MOD 8015 ☒ DIESEL - MOD 8015 ☒ OIL MOD 8015 ☒ SVOC 8270 ☒ 8081 PESTICIDES ☒ 8082 PCBs ☒ TCLP - METALS (RCRA) ☒ TCLP - METALS (RCRA) ☒ LEAD - TOTAL ☒ LEAD - TOTAL ☒ RCI - TOTAL ☒ RCI - TOTAL ☒ TDS ☒ TOX ☒ TSS ☒ PH ☒ HEXAVALENT CHROMIUM ☒ CHLORIDES ☒ ANIONS ☒ ALKALINITY ☒		FIELD NOTES Loc: 880 24391		LABORATORY USE ONLY: RECEIVING TEMP _____ THERM# _____ CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED ☐ CARRIER BILL # _____ ☐ HAND DELIVERED	
TURN AROUND TIME NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐		RECEIVED BY (Signature) <u>Daniel Gelfand</u>		RECEIVED BY (Signature) <u>[Signature]</u>	
RELINQUISHED BY (Signature) <u>Daniel Gelfand</u>		DATE/TIME <u>2/1/23 1524</u>		DATE/TIME <u>2/1/23 1524</u>	
RELINQUISHED BY (Signature) <u>[Signature]</u>		DATE/TIME <u>2/1/23 1524</u>		DATE/TIME <u>2/1/23 1524</u>	
RELINQUISHED BY (Signature) <u>[Signature]</u>		DATE/TIME <u>2/1/23 1524</u>		DATE/TIME <u>2/1/23 1524</u>	
LABORATORY <u>XERO</u>		TOTAL <u>1</u>		TOTAL <u>1</u>	

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-24391-1

SDG Number: 21-0100-19

Login Number: 24391

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

- 1
- 2
- 3
- 4
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- 6
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- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
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Generated 2/14/2023 9:30:10 AM

JOB DESCRIPTION

CB CAL 25-36
SDG NUMBER 21-0100-19

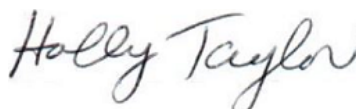
JOB NUMBER

880-24556-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
2/14/2023 9:30:10 AM

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Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Laboratory Job ID: 880-24556-1
SDG: 21-0100-19

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Job ID: 880-24556-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-24556-1

Receipt

The samples were received on 2/10/2023 8:37 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 -2.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-35, 1' (880-24556-1), C-33, 1' (880-24556-2), SW-7, 0-1.1' (880-24556-3), C-34, 1' (880-24556-4), C-36, 1' (880-24556-5), C-37, 1' (880-24556-6), SW-3, 0-4.1' (880-24556-7), SW-8, 0-1.1' (880-24556-8), C-23, 2' (880-24556-9), C-12, 2' (880-24556-10), C-11, 2' (880-24556-11), C-10, 2' (880-24556-12) and C-14, 2' (880-24556-13).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-35, 1' (880-24556-1), C-23, 2' (880-24556-9) and C-10, 2' (880-24556-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-45929/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-8, 0-1.1' (880-24556-8), C-23, 2' (880-24556-9), C-12, 2' (880-24556-10), C-11, 2' (880-24556-11) and C-10, 2' (880-24556-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-46003 and analytical batch 880-46050 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-45930 and analytical batch 880-46064 was outside the control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-14, 2' (880-24556-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-45964 and analytical batch 880-45984 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: C-35, 1'

Lab Sample ID: 880-24556-1

Date Collected: 02/06/23 14:30

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/10/23 10:12	02/10/23 12:29	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/10/23 10:12	02/10/23 12:29	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/10/23 10:12	02/10/23 12:29	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		02/10/23 10:12	02/10/23 12:29	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/10/23 10:12	02/10/23 12:29	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		02/10/23 10:12	02/10/23 12:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	02/10/23 10:12	02/10/23 12:29	1
1,4-Difluorobenzene (Surr)	71		70 - 130	02/10/23 10:12	02/10/23 12:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			02/10/23 14:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/13/23 14:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9	mg/Kg		02/10/23 14:13	02/11/23 21:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/11/23 21:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/11/23 21:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130	02/10/23 14:13	02/11/23 21:33	1
o-Terphenyl (Surr)	85		70 - 130	02/10/23 14:13	02/11/23 21:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166		4.98	mg/Kg			02/10/23 11:41	1

Client Sample ID: C-33, 1'

Lab Sample ID: 880-24556-2

Date Collected: 02/06/23 13:30

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 12:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 12:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 12:50	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/10/23 10:12	02/10/23 12:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 12:50	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/10/23 10:12	02/10/23 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	02/10/23 10:12	02/10/23 12:50	1
1,4-Difluorobenzene (Surr)	102		70 - 130	02/10/23 10:12	02/10/23 12:50	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: C-33, 1'

Lab Sample ID: 880-24556-2

Date Collected: 02/06/23 13:30

Matrix: Solid

Date Received: 02/10/23 08:37

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/10/23 14:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/13/23 14:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/11/23 22:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/11/23 22:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/11/23 22:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130			02/10/23 14:13	02/11/23 22:36	1
o-Terphenyl (Surr)	80		70 - 130			02/10/23 14:13	02/11/23 22:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	367		5.00	mg/Kg			02/10/23 11:55	1

Client Sample ID: SW-7, 0-1.1'

Lab Sample ID: 880-24556-3

Date Collected: 02/06/23 13:00

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/10/23 10:12	02/10/23 13:11	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/10/23 10:12	02/10/23 13:11	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/10/23 10:12	02/10/23 13:11	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		02/10/23 10:12	02/10/23 13:11	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/10/23 10:12	02/10/23 13:11	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/10/23 10:12	02/10/23 13:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			02/10/23 10:12	02/10/23 13:11	1
1,4-Difluorobenzene (Surr)	108		70 - 130			02/10/23 10:12	02/10/23 13:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			02/10/23 14:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/13/23 14:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/10/23 14:13	02/11/23 22:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/10/23 14:13	02/11/23 22:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: SW-7, 0-1.1'

Lab Sample ID: 880-24556-3

Date Collected: 02/06/23 13:00

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/10/23 14:13	02/11/23 22:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	61	S1-	70 - 130			02/10/23 14:13	02/11/23 22:57	1
o-Terphenyl (Surr)	68	S1-	70 - 130			02/10/23 14:13	02/11/23 22:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	514		4.99	mg/Kg			02/10/23 12:00	1

Client Sample ID: C-34, 1'

Lab Sample ID: 880-24556-4

Date Collected: 02/06/23 14:45

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 13:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 13:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 13:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/10/23 10:12	02/10/23 13:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 13:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 10:12	02/10/23 13:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			02/10/23 10:12	02/10/23 13:31	1
1,4-Difluorobenzene (Surr)	99		70 - 130			02/10/23 10:12	02/10/23 13:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/23 14:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/13/23 14:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/10/23 14:13	02/11/23 23:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/10/23 14:13	02/11/23 23:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/10/23 14:13	02/11/23 23:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			02/10/23 14:13	02/11/23 23:19	1
o-Terphenyl (Surr)	82		70 - 130			02/10/23 14:13	02/11/23 23:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166		4.95	mg/Kg			02/10/23 12:05	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: C-36, 1'

Lab Sample ID: 880-24556-5

Date Collected: 02/06/23 15:00

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 13:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 13:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 13:52	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/10/23 10:12	02/10/23 13:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 13:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 10:12	02/10/23 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	02/10/23 10:12	02/10/23 13:52	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/10/23 10:12	02/10/23 13:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/10/23 14:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/13/23 14:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/11/23 23:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/11/23 23:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/11/23 23:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130	02/10/23 14:13	02/11/23 23:40	1
o-Terphenyl (Surr)	79		70 - 130	02/10/23 14:13	02/11/23 23:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	308		5.00	mg/Kg			02/10/23 12:09	1

Client Sample ID: C-37, 1'

Lab Sample ID: 880-24556-6

Date Collected: 02/06/23 15:15

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 14:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 14:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 14:13	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/10/23 10:12	02/10/23 14:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 14:13	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/10/23 10:12	02/10/23 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/10/23 10:12	02/10/23 14:13	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/10/23 10:12	02/10/23 14:13	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: C-37, 1'

Lab Sample ID: 880-24556-6

Date Collected: 02/06/23 15:15

Matrix: Solid

Date Received: 02/10/23 08:37

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/10/23 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/13/23 14:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/10/23 14:13	02/12/23 00:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/10/23 14:13	02/12/23 00:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/10/23 14:13	02/12/23 00:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130			02/10/23 14:13	02/12/23 00:01	1
o-Terphenyl (Surr)	79		70 - 130			02/10/23 14:13	02/12/23 00:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		4.97	mg/Kg			02/10/23 12:23	1

Client Sample ID: SW-3, 0-4.1'

Lab Sample ID: 880-24556-7

Date Collected: 02/07/23 13:00

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/10/23 10:12	02/10/23 14:34	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/10/23 10:12	02/10/23 14:34	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/10/23 10:12	02/10/23 14:34	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/10/23 10:12	02/10/23 14:34	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/10/23 10:12	02/10/23 14:34	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/10/23 10:12	02/10/23 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			02/10/23 10:12	02/10/23 14:34	1
1,4-Difluorobenzene (Surr)	92		70 - 130			02/10/23 10:12	02/10/23 14:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/10/23 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/13/23 14:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/12/23 00:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/12/23 00:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: SW-3, 0-4.1'

Lab Sample ID: 880-24556-7

Date Collected: 02/07/23 13:00

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/12/23 00:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130			02/10/23 14:13	02/12/23 00:22	1
o-Terphenyl (Surr)	82		70 - 130			02/10/23 14:13	02/12/23 00:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	555		25.0	mg/Kg			02/10/23 12:28	5

Client Sample ID: SW-8, 0-1.1'

Lab Sample ID: 880-24556-8

Date Collected: 02/08/23 12:00

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 17:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 17:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 17:02	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/10/23 10:12	02/10/23 17:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 17:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/10/23 10:12	02/10/23 17:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			02/10/23 10:12	02/10/23 17:02	1
1,4-Difluorobenzene (Surr)	93		70 - 130			02/10/23 10:12	02/10/23 17:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/13/23 19:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/13/23 11:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/10/23 13:25	02/12/23 15:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/10/23 13:25	02/12/23 15:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/10/23 13:25	02/12/23 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130			02/10/23 13:25	02/12/23 15:47	1
o-Terphenyl (Surr)	68	S1-	70 - 130			02/10/23 13:25	02/12/23 15:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	525		5.02	mg/Kg			02/10/23 12:33	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: C-23, 2'

Lab Sample ID: 880-24556-9

Date Collected: 02/09/23 10:00

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 17:22	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 17:22	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 17:22	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/10/23 10:12	02/10/23 17:22	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 17:22	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 10:12	02/10/23 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	02/10/23 10:12	02/10/23 17:22	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130	02/10/23 10:12	02/10/23 17:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/13/23 19:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/13/23 11:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/10/23 13:25	02/12/23 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/10/23 13:25	02/12/23 16:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/10/23 13:25	02/12/23 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	60	S1-	70 - 130	02/10/23 13:25	02/12/23 16:09	1
o-Terphenyl (Surr)	57	S1-	70 - 130	02/10/23 13:25	02/12/23 16:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		24.8	mg/Kg			02/10/23 12:37	5

Client Sample ID: C-12, 2'

Lab Sample ID: 880-24556-10

Date Collected: 02/09/23 08:30

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 17:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 17:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 17:43	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/10/23 10:12	02/10/23 17:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 17:43	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/10/23 10:12	02/10/23 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	02/10/23 10:12	02/10/23 17:43	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/10/23 10:12	02/10/23 17:43	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: C-12, 2'

Lab Sample ID: 880-24556-10

Date Collected: 02/09/23 08:30

Matrix: Solid

Date Received: 02/10/23 08:37

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/13/23 19:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/13/23 11:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/10/23 13:25	02/12/23 16:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/10/23 13:25	02/12/23 16:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/10/23 13:25	02/12/23 16:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	68	S1-	70 - 130			02/10/23 13:25	02/12/23 16:31	1
o-Terphenyl (Surr)	65	S1-	70 - 130			02/10/23 13:25	02/12/23 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	481		5.01	mg/Kg			02/10/23 12:42	1

Client Sample ID: C-11, 2'

Lab Sample ID: 880-24556-11

Date Collected: 02/08/23 14:15

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 18:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 18:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 18:04	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/10/23 10:12	02/10/23 18:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:12	02/10/23 18:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 10:12	02/10/23 18:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			02/10/23 10:12	02/10/23 18:04	1
1,4-Difluorobenzene (Surr)	72		70 - 130			02/10/23 10:12	02/10/23 18:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/13/23 19:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/13/23 11:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/10/23 13:25	02/12/23 16:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/10/23 13:25	02/12/23 16:52	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: C-11, 2'

Lab Sample ID: 880-24556-11

Date Collected: 02/08/23 14:15

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/10/23 13:25	02/12/23 16:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	62	S1-	70 - 130			02/10/23 13:25	02/12/23 16:52	1
o-Terphenyl (Surr)	56	S1-	70 - 130			02/10/23 13:25	02/12/23 16:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370	F1	4.97	mg/Kg			02/10/23 12:46	1

Client Sample ID: C-10, 2'

Lab Sample ID: 880-24556-12

Date Collected: 02/08/23 14:00

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/10/23 10:12	02/10/23 18:25	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/10/23 10:12	02/10/23 18:25	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/10/23 10:12	02/10/23 18:25	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		02/10/23 10:12	02/10/23 18:25	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/10/23 10:12	02/10/23 18:25	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/10/23 10:12	02/10/23 18:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			02/10/23 10:12	02/10/23 18:25	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130			02/10/23 10:12	02/10/23 18:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			02/13/23 19:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/13/23 11:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/10/23 13:25	02/12/23 17:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/10/23 13:25	02/12/23 17:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/10/23 13:25	02/12/23 17:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	60	S1-	70 - 130			02/10/23 13:25	02/12/23 17:14	1
o-Terphenyl (Surr)	58	S1-	70 - 130			02/10/23 13:25	02/12/23 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	508		5.00	mg/Kg			02/10/23 13:00	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: C-14, 2'

Lab Sample ID: 880-24556-13

Date Collected: 02/09/23 13:00

Matrix: Solid

Date Received: 02/10/23 08:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/10/23 10:12	02/10/23 18:45	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/10/23 10:12	02/10/23 18:45	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/10/23 10:12	02/10/23 18:45	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/10/23 10:12	02/10/23 18:45	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/10/23 10:12	02/10/23 18:45	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/10/23 10:12	02/10/23 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/10/23 10:12	02/10/23 18:45	1
1,4-Difluorobenzene (Surr)	83		70 - 130	02/10/23 10:12	02/10/23 18:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/13/23 19:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/13/23 17:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/10/23 10:38	02/13/23 05:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/10/23 10:38	02/13/23 05:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/10/23 10:38	02/13/23 05:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	0.5	S1-	70 - 130	02/10/23 10:38	02/13/23 05:54	1
o-Terphenyl (Surr)	0.3	S1-	70 - 130	02/10/23 10:38	02/13/23 05:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	446		4.99	mg/Kg			02/10/23 13:05	1

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-24556-1	C-35, 1'	67 S1-	71
880-24556-1 MS	C-35, 1'	90	94
880-24556-1 MSD	C-35, 1'	91	97
880-24556-2	C-33, 1'	113	102
880-24556-3	SW-7, 0-1.1'	117	108
880-24556-4	C-34, 1'	113	99
880-24556-5	C-36, 1'	113	110
880-24556-6	C-37, 1'	117	103
880-24556-7	SW-3, 0-4.1'	114	92
880-24556-8	SW-8, 0-1.1'	113	93
880-24556-9	C-23, 2'	70	63 S1-
880-24556-10	C-12, 2'	121	100
880-24556-11	C-11, 2'	113	72
880-24556-12	C-10, 2'	91	66 S1-
880-24556-13	C-14, 2'	123	83
LCS 880-45965/1-A	Lab Control Sample	91	95
LCSD 880-45965/2-A	Lab Control Sample Dup	91	96
MB 880-45965/5-A	Method Blank	93	95
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-24556-1	C-35, 1'	78	85
880-24556-1 MS	C-35, 1'	100	81
880-24556-1 MSD	C-35, 1'	71	71
880-24556-2	C-33, 1'	72	80
880-24556-3	SW-7, 0-1.1'	61 S1-	68 S1-
880-24556-4	C-34, 1'	76	82
880-24556-5	C-36, 1'	74	79
880-24556-6	C-37, 1'	74	79
880-24556-7	SW-3, 0-4.1'	78	82
880-24556-8	SW-8, 0-1.1'	71	68 S1-
880-24556-9	C-23, 2'	60 S1-	57 S1-
880-24556-10	C-12, 2'	68 S1-	65 S1-
880-24556-11	C-11, 2'	62 S1-	56 S1-
880-24556-12	C-10, 2'	60 S1-	58 S1-
880-24556-13	C-14, 2'	0.5 S1-	0.3 S1-
LCS 880-45929/2-A	Lab Control Sample	129	108
LCS 880-45930/2-A	Lab Control Sample	92	98
LCS 880-46003/2-A	Lab Control Sample	84	89
LCSD 880-45929/3-A	Lab Control Sample Dup	138 S1+	124
LCSD 880-45930/3-A	Lab Control Sample Dup	93	101
LCSD 880-46003/3-A	Lab Control Sample Dup	85	90

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-45929/1-A	Method Blank	75	74
MB 880-45930/1-A	Method Blank	63 S1-	67 S1-
MB 880-46003/1-A	Method Blank	70	79
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45965/5-A

Matrix: Solid

Analysis Batch: 45953

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45965

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 12:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 12:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 12:07	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/10/23 10:12	02/10/23 12:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:12	02/10/23 12:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/10/23 10:12	02/10/23 12:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	02/10/23 10:12	02/10/23 12:07	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/10/23 10:12	02/10/23 12:07	1

Lab Sample ID: LCS 880-45965/1-A

Matrix: Solid

Analysis Batch: 45953

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45965

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1083		mg/Kg		108	70 - 130
Toluene	0.100	0.1023		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09039		mg/Kg		90	70 - 130
m,p-Xylenes	0.200	0.1884		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09370		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-45965/2-A

Matrix: Solid

Analysis Batch: 45953

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45965

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1129		mg/Kg		113	70 - 130	4	35
Toluene	0.100	0.1048		mg/Kg		105	70 - 130	2	35
Ethylbenzene	0.100	0.09235		mg/Kg		92	70 - 130	2	35
m,p-Xylenes	0.200	0.1889		mg/Kg		94	70 - 130	0	35
o-Xylene	0.100	0.09373		mg/Kg		94	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-24556-1 MS

Matrix: Solid

Analysis Batch: 45953

Client Sample ID: C-35, 1'

Prep Type: Total/NA

Prep Batch: 45965

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.08246		mg/Kg		82	70 - 130
Toluene	<0.00202	U	0.0996	0.07840		mg/Kg		78	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

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

Lab Sample ID: 880-24556-1 MS

Matrix: Solid

Analysis Batch: 45953

Client Sample ID: C-35, 1'

Prep Type: Total/NA

Prep Batch: 45965

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0996	0.07127		mg/Kg		72	70 - 130
m,p-Xylenes	<0.00403	U	0.199	0.1478		mg/Kg		74	70 - 130
o-Xylene	<0.00202	U	0.0996	0.07292		mg/Kg		73	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-24556-1 MSD

Matrix: Solid

Analysis Batch: 45953

Client Sample ID: C-35, 1'

Prep Type: Total/NA

Prep Batch: 45965

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00202	U	0.101	0.08335		mg/Kg		82	70 - 130	1	35
Toluene	<0.00202	U	0.101	0.08144		mg/Kg		80	70 - 130	4	35
Ethylbenzene	<0.00202	U	0.101	0.07497		mg/Kg		74	70 - 130	5	35
m,p-Xylenes	<0.00403	U	0.202	0.1562		mg/Kg		77	70 - 130	6	35
o-Xylene	<0.00202	U	0.101	0.07648		mg/Kg		75	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-45929/1-A

Matrix: Solid

Analysis Batch: 46067

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45929

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 17:28	02/12/23 09:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 17:28	02/12/23 09:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 17:28	02/12/23 09:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130	02/09/23 17:28	02/12/23 09:44	1
o-Terphenyl (Surr)	74		70 - 130	02/09/23 17:28	02/12/23 09:44	1

Lab Sample ID: LCS 880-45929/2-A

Matrix: Solid

Analysis Batch: 46067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	936.7		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	847.8		mg/Kg		85	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

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

Lab Sample ID: LCS 880-45929/2-A

Matrix: Solid

Analysis Batch: 46067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45929

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	129		70 - 130
o-Terphenyl (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-45929/3-A

Matrix: Solid

Analysis Batch: 46067

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45929

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1047		mg/Kg		105	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	959.5		mg/Kg		96	70 - 130	12	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	138	S1+	70 - 130
o-Terphenyl (Surr)	124		70 - 130

Lab Sample ID: MB 880-45930/1-A

Matrix: Solid

Analysis Batch: 46064

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45930

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/09/23 17:38	02/12/23 21:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/09/23 17:38	02/12/23 21:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/09/23 17:38	02/12/23 21:21	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	63	S1-	70 - 130	02/09/23 17:38	02/12/23 21:21	1
o-Terphenyl (Surr)	67	S1-	70 - 130	02/09/23 17:38	02/12/23 21:21	1

Lab Sample ID: LCS 880-45930/2-A

Matrix: Solid

Analysis Batch: 46064

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45930

	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	966.6		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1069		mg/Kg		107	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	98		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

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

Lab Sample ID: LCSD 880-45930/3-A

Matrix: Solid

Analysis Batch: 46064

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45930

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1074		mg/Kg		107	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	1073		mg/Kg		107	70 - 130	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	93		70 - 130						
o-Terphenyl (Surr)	101		70 - 130						

Lab Sample ID: MB 880-46003/1-A

Matrix: Solid

Analysis Batch: 46050

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46003

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/11/23 20:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/11/23 20:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/10/23 14:13	02/11/23 20:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	70		70 - 130			02/10/23 14:13	02/11/23 20:28	1
o-Terphenyl (Surr)	79		70 - 130			02/10/23 14:13	02/11/23 20:28	1

Lab Sample ID: LCS 880-46003/2-A

Matrix: Solid

Analysis Batch: 46050

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 46003

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	999	886.0		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	999	1067		mg/Kg		107	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	84		70 - 130						
o-Terphenyl (Surr)	89		70 - 130						

Lab Sample ID: LCSD 880-46003/3-A

Matrix: Solid

Analysis Batch: 46050

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 46003

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	861.9		mg/Kg		86	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	999	984.8		mg/Kg		99	70 - 130	8	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

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

Lab Sample ID: LCSD 880-46003/3-A

Matrix: Solid

Analysis Batch: 46050

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 46003

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	85		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Lab Sample ID: 880-24556-1 MS

Matrix: Solid

Analysis Batch: 46050

Client Sample ID: C-35, 1'

Prep Type: Total/NA

Prep Batch: 46003

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	997	1159		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1147		mg/Kg		112	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	100		70 - 130						
o-Terphenyl (Surr)	81		70 - 130						

Lab Sample ID: 880-24556-1 MSD

Matrix: Solid

Analysis Batch: 46050

Client Sample ID: C-35, 1'

Prep Type: Total/NA

Prep Batch: 46003

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	997	920.6	F2	mg/Kg		88	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1011		mg/Kg		99	70 - 130	13	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	71		70 - 130								
o-Terphenyl (Surr)	71		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45964/1-A

Matrix: Solid

Analysis Batch: 45984

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/10/23 11:27	1

Lab Sample ID: LCS 880-45964/2-A

Matrix: Solid

Analysis Batch: 45984

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.9		mg/Kg		97	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-45964/3-A

Matrix: Solid

Analysis Batch: 45984

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	227.2		mg/Kg		91	90 - 110	6	20

Lab Sample ID: 880-24556-1 MS

Matrix: Solid

Analysis Batch: 45984

Client Sample ID: C-35, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	166		249	399.5		mg/Kg		94	90 - 110		

Lab Sample ID: 880-24556-1 MSD

Matrix: Solid

Analysis Batch: 45984

Client Sample ID: C-35, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	166		249	397.6		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-24556-11 MS

Matrix: Solid

Analysis Batch: 45984

Client Sample ID: C-11, 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	370	F1	249	545.1	F1	mg/Kg		70	90 - 110		

Lab Sample ID: 880-24556-11 MSD

Matrix: Solid

Analysis Batch: 45984

Client Sample ID: C-11, 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	370	F1	249	533.5	F1	mg/Kg		66	90 - 110	2	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

GC VOA

Analysis Batch: 45953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-1	C-35, 1'	Total/NA	Solid	8021B	45965
880-24556-2	C-33, 1'	Total/NA	Solid	8021B	45965
880-24556-3	SW-7, 0-1.1'	Total/NA	Solid	8021B	45965
880-24556-4	C-34, 1'	Total/NA	Solid	8021B	45965
880-24556-5	C-36, 1'	Total/NA	Solid	8021B	45965
880-24556-6	C-37, 1'	Total/NA	Solid	8021B	45965
880-24556-7	SW-3, 0-4.1'	Total/NA	Solid	8021B	45965
880-24556-8	SW-8, 0-1.1'	Total/NA	Solid	8021B	45965
880-24556-9	C-23, 2'	Total/NA	Solid	8021B	45965
880-24556-10	C-12, 2'	Total/NA	Solid	8021B	45965
880-24556-11	C-11, 2'	Total/NA	Solid	8021B	45965
880-24556-12	C-10, 2'	Total/NA	Solid	8021B	45965
880-24556-13	C-14, 2'	Total/NA	Solid	8021B	45965
MB 880-45965/5-A	Method Blank	Total/NA	Solid	8021B	45965
LCS 880-45965/1-A	Lab Control Sample	Total/NA	Solid	8021B	45965
LCSD 880-45965/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45965
880-24556-1 MS	C-35, 1'	Total/NA	Solid	8021B	45965
880-24556-1 MSD	C-35, 1'	Total/NA	Solid	8021B	45965

Prep Batch: 45965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-1	C-35, 1'	Total/NA	Solid	5035	
880-24556-2	C-33, 1'	Total/NA	Solid	5035	
880-24556-3	SW-7, 0-1.1'	Total/NA	Solid	5035	
880-24556-4	C-34, 1'	Total/NA	Solid	5035	
880-24556-5	C-36, 1'	Total/NA	Solid	5035	
880-24556-6	C-37, 1'	Total/NA	Solid	5035	
880-24556-7	SW-3, 0-4.1'	Total/NA	Solid	5035	
880-24556-8	SW-8, 0-1.1'	Total/NA	Solid	5035	
880-24556-9	C-23, 2'	Total/NA	Solid	5035	
880-24556-10	C-12, 2'	Total/NA	Solid	5035	
880-24556-11	C-11, 2'	Total/NA	Solid	5035	
880-24556-12	C-10, 2'	Total/NA	Solid	5035	
880-24556-13	C-14, 2'	Total/NA	Solid	5035	
MB 880-45965/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45965/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45965/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24556-1 MS	C-35, 1'	Total/NA	Solid	5035	
880-24556-1 MSD	C-35, 1'	Total/NA	Solid	5035	

Analysis Batch: 46004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-1	C-35, 1'	Total/NA	Solid	Total BTEX	
880-24556-2	C-33, 1'	Total/NA	Solid	Total BTEX	
880-24556-3	SW-7, 0-1.1'	Total/NA	Solid	Total BTEX	
880-24556-4	C-34, 1'	Total/NA	Solid	Total BTEX	
880-24556-5	C-36, 1'	Total/NA	Solid	Total BTEX	
880-24556-6	C-37, 1'	Total/NA	Solid	Total BTEX	
880-24556-7	SW-3, 0-4.1'	Total/NA	Solid	Total BTEX	
880-24556-8	SW-8, 0-1.1'	Total/NA	Solid	Total BTEX	
880-24556-9	C-23, 2'	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

GC VOA (Continued)

Analysis Batch: 46004 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-10	C-12, 2'	Total/NA	Solid	Total BTEX	
880-24556-11	C-11, 2'	Total/NA	Solid	Total BTEX	
880-24556-12	C-10, 2'	Total/NA	Solid	Total BTEX	
880-24556-13	C-14, 2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 45929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-8	SW-8, 0-1.1'	Total/NA	Solid	8015NM Prep	
880-24556-9	C-23, 2'	Total/NA	Solid	8015NM Prep	
880-24556-10	C-12, 2'	Total/NA	Solid	8015NM Prep	
880-24556-11	C-11, 2'	Total/NA	Solid	8015NM Prep	
880-24556-12	C-10, 2'	Total/NA	Solid	8015NM Prep	
MB 880-45929/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45929/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45929/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 45930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-13	C-14, 2'	Total/NA	Solid	8015NM Prep	
MB 880-45930/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45930/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45930/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 46003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-1	C-35, 1'	Total/NA	Solid	8015NM Prep	
880-24556-2	C-33, 1'	Total/NA	Solid	8015NM Prep	
880-24556-3	SW-7, 0-1.1'	Total/NA	Solid	8015NM Prep	
880-24556-4	C-34, 1'	Total/NA	Solid	8015NM Prep	
880-24556-5	C-36, 1'	Total/NA	Solid	8015NM Prep	
880-24556-6	C-37, 1'	Total/NA	Solid	8015NM Prep	
880-24556-7	SW-3, 0-4.1'	Total/NA	Solid	8015NM Prep	
MB 880-46003/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-46003/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-46003/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24556-1 MS	C-35, 1'	Total/NA	Solid	8015NM Prep	
880-24556-1 MSD	C-35, 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 46050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-1	C-35, 1'	Total/NA	Solid	8015B NM	46003
880-24556-2	C-33, 1'	Total/NA	Solid	8015B NM	46003
880-24556-3	SW-7, 0-1.1'	Total/NA	Solid	8015B NM	46003
880-24556-4	C-34, 1'	Total/NA	Solid	8015B NM	46003
880-24556-5	C-36, 1'	Total/NA	Solid	8015B NM	46003
880-24556-6	C-37, 1'	Total/NA	Solid	8015B NM	46003
880-24556-7	SW-3, 0-4.1'	Total/NA	Solid	8015B NM	46003
MB 880-46003/1-A	Method Blank	Total/NA	Solid	8015B NM	46003
LCS 880-46003/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	46003

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

GC Semi VOA (Continued)

Analysis Batch: 46050 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-46003/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	46003
880-24556-1 MS	C-35, 1'	Total/NA	Solid	8015B NM	46003
880-24556-1 MSD	C-35, 1'	Total/NA	Solid	8015B NM	46003

Analysis Batch: 46064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-13	C-14, 2'	Total/NA	Solid	8015B NM	45930
MB 880-45930/1-A	Method Blank	Total/NA	Solid	8015B NM	45930
LCS 880-45930/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45930
LCSD 880-45930/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45930

Analysis Batch: 46067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-8	SW-8, 0-1.1'	Total/NA	Solid	8015B NM	45929
880-24556-9	C-23, 2'	Total/NA	Solid	8015B NM	45929
880-24556-10	C-12, 2'	Total/NA	Solid	8015B NM	45929
880-24556-11	C-11, 2'	Total/NA	Solid	8015B NM	45929
880-24556-12	C-10, 2'	Total/NA	Solid	8015B NM	45929
MB 880-45929/1-A	Method Blank	Total/NA	Solid	8015B NM	45929
LCS 880-45929/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45929
LCSD 880-45929/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45929

Analysis Batch: 46121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-1	C-35, 1'	Total/NA	Solid	8015 NM	
880-24556-2	C-33, 1'	Total/NA	Solid	8015 NM	
880-24556-3	SW-7, 0-1.1'	Total/NA	Solid	8015 NM	
880-24556-4	C-34, 1'	Total/NA	Solid	8015 NM	
880-24556-5	C-36, 1'	Total/NA	Solid	8015 NM	
880-24556-6	C-37, 1'	Total/NA	Solid	8015 NM	
880-24556-7	SW-3, 0-4.1'	Total/NA	Solid	8015 NM	
880-24556-8	SW-8, 0-1.1'	Total/NA	Solid	8015 NM	
880-24556-9	C-23, 2'	Total/NA	Solid	8015 NM	
880-24556-10	C-12, 2'	Total/NA	Solid	8015 NM	
880-24556-11	C-11, 2'	Total/NA	Solid	8015 NM	
880-24556-12	C-10, 2'	Total/NA	Solid	8015 NM	
880-24556-13	C-14, 2'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 45964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-1	C-35, 1'	Soluble	Solid	DI Leach	
880-24556-2	C-33, 1'	Soluble	Solid	DI Leach	
880-24556-3	SW-7, 0-1.1'	Soluble	Solid	DI Leach	
880-24556-4	C-34, 1'	Soluble	Solid	DI Leach	
880-24556-5	C-36, 1'	Soluble	Solid	DI Leach	
880-24556-6	C-37, 1'	Soluble	Solid	DI Leach	
880-24556-7	SW-3, 0-4.1'	Soluble	Solid	DI Leach	
880-24556-8	SW-8, 0-1.1'	Soluble	Solid	DI Leach	
880-24556-9	C-23, 2'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

HPLC/IC (Continued)

Leach Batch: 45964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-10	C-12, 2'	Soluble	Solid	DI Leach	
880-24556-11	C-11, 2'	Soluble	Solid	DI Leach	
880-24556-12	C-10, 2'	Soluble	Solid	DI Leach	
880-24556-13	C-14, 2'	Soluble	Solid	DI Leach	
MB 880-45964/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45964/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45964/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24556-1 MS	C-35, 1'	Soluble	Solid	DI Leach	
880-24556-1 MSD	C-35, 1'	Soluble	Solid	DI Leach	
880-24556-11 MS	C-11, 2'	Soluble	Solid	DI Leach	
880-24556-11 MSD	C-11, 2'	Soluble	Solid	DI Leach	

Analysis Batch: 45984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24556-1	C-35, 1'	Soluble	Solid	300.0	45964
880-24556-2	C-33, 1'	Soluble	Solid	300.0	45964
880-24556-3	SW-7, 0-1.1'	Soluble	Solid	300.0	45964
880-24556-4	C-34, 1'	Soluble	Solid	300.0	45964
880-24556-5	C-36, 1'	Soluble	Solid	300.0	45964
880-24556-6	C-37, 1'	Soluble	Solid	300.0	45964
880-24556-7	SW-3, 0-4.1'	Soluble	Solid	300.0	45964
880-24556-8	SW-8, 0-1.1'	Soluble	Solid	300.0	45964
880-24556-9	C-23, 2'	Soluble	Solid	300.0	45964
880-24556-10	C-12, 2'	Soluble	Solid	300.0	45964
880-24556-11	C-11, 2'	Soluble	Solid	300.0	45964
880-24556-12	C-10, 2'	Soluble	Solid	300.0	45964
880-24556-13	C-14, 2'	Soluble	Solid	300.0	45964
MB 880-45964/1-A	Method Blank	Soluble	Solid	300.0	45964
LCS 880-45964/2-A	Lab Control Sample	Soluble	Solid	300.0	45964
LCSD 880-45964/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45964
880-24556-1 MS	C-35, 1'	Soluble	Solid	300.0	45964
880-24556-1 MSD	C-35, 1'	Soluble	Solid	300.0	45964
880-24556-11 MS	C-11, 2'	Soluble	Solid	300.0	45964
880-24556-11 MSD	C-11, 2'	Soluble	Solid	300.0	45964

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: C-35, 1'

Lab Sample ID: 880-24556-1

Date Collected: 02/06/23 14:30

Matrix: Solid

Date Received: 02/10/23 08:37

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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/10/23 14:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			46121	02/13/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46003	02/10/23 14:13	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46050	02/11/23 21:33	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		1			45984	02/10/23 11:41	CH	EET MID

Client Sample ID: C-33, 1'

Lab Sample ID: 880-24556-2

Date Collected: 02/06/23 13:30

Matrix: Solid

Date Received: 02/10/23 08:37

Prep 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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/10/23 14:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			46121	02/13/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46003	02/10/23 14:13	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46050	02/11/23 22:36	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		1			45984	02/10/23 11:55	CH	EET MID

Client Sample ID: SW-7, 0-1.1'

Lab Sample ID: 880-24556-3

Date Collected: 02/06/23 13:00

Matrix: Solid

Date Received: 02/10/23 08:37

Prep 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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 13:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/10/23 14:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			46121	02/13/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46003	02/10/23 14:13	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46050	02/11/23 22:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		1			45984	02/10/23 12:00	CH	EET MID

Client Sample ID: C-34, 1'

Lab Sample ID: 880-24556-4

Date Collected: 02/06/23 14:45

Matrix: Solid

Date Received: 02/10/23 08:37

Prep 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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/10/23 14:15	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: C-34, 1'

Lab Sample ID: 880-24556-4

Date Collected: 02/06/23 14:45

Matrix: Solid

Date Received: 02/10/23 08:37

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			46121	02/13/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	46003	02/10/23 14:13	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46050	02/11/23 23:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		1			45984	02/10/23 12:05	CH	EET MID

Client Sample ID: C-36, 1'

Lab Sample ID: 880-24556-5

Date Collected: 02/06/23 15:00

Matrix: Solid

Date Received: 02/10/23 08:37

Prep 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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/10/23 14:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			46121	02/13/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46003	02/10/23 14:13	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46050	02/11/23 23:40	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		1			45984	02/10/23 12:09	CH	EET MID

Client Sample ID: C-37, 1'

Lab Sample ID: 880-24556-6

Date Collected: 02/06/23 15:15

Matrix: Solid

Date Received: 02/10/23 08:37

Prep 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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/10/23 17:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			46121	02/13/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	46003	02/10/23 14:13	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46050	02/12/23 00:01	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		1			45984	02/10/23 12:23	CH	EET MID

Client Sample ID: SW-3, 0-4.1'

Lab Sample ID: 880-24556-7

Date Collected: 02/07/23 13:00

Matrix: Solid

Date Received: 02/10/23 08:37

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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 14:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/10/23 17:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			46121	02/13/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46003	02/10/23 14:13	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46050	02/12/23 00:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: SW-3, 0-4.1'**Lab Sample ID: 880-24556-7****Date Collected: 02/07/23 13:00****Matrix: Solid****Date Received: 02/10/23 08:37**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		5			45984	02/10/23 12:28	CH	EET MID

Client Sample ID: SW-8, 0-1.1'**Lab Sample ID: 880-24556-8****Date Collected: 02/08/23 12:00****Matrix: Solid****Date Received: 02/10/23 08:37**

Prep 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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/13/23 19:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			46121	02/13/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45929	02/10/23 13:25	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46067	02/12/23 15:47	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		1			45984	02/10/23 12:33	CH	EET MID

Client Sample ID: C-23, 2'**Lab Sample ID: 880-24556-9****Date Collected: 02/09/23 10:00****Matrix: Solid****Date Received: 02/10/23 08:37**

Prep 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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/13/23 19:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			46121	02/13/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45929	02/10/23 13:25	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46067	02/12/23 16:09	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		5			45984	02/10/23 12:37	CH	EET MID

Client Sample ID: C-12, 2'**Lab Sample ID: 880-24556-10****Date Collected: 02/09/23 08:30****Matrix: Solid****Date Received: 02/10/23 08:37**

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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/13/23 19:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			46121	02/13/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	45929	02/10/23 13:25	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46067	02/12/23 16:31	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		1			45984	02/10/23 12:42	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Client Sample ID: C-11, 2'

Lab Sample ID: 880-24556-11

Date Collected: 02/08/23 14:15

Matrix: Solid

Date Received: 02/10/23 08:37

Prep 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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/13/23 19:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			46121	02/13/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	45929	02/10/23 13:25	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46067	02/12/23 16:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		1			45984	02/10/23 12:46	CH	EET MID

Client Sample ID: C-10, 2'

Lab Sample ID: 880-24556-12

Date Collected: 02/08/23 14:00

Matrix: Solid

Date Received: 02/10/23 08:37

Prep 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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/13/23 19:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			46121	02/13/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	45929	02/10/23 13:25	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46067	02/12/23 17:14	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		1			45984	02/10/23 13:00	CH	EET MID

Client Sample ID: C-14, 2'

Lab Sample ID: 880-24556-13

Date Collected: 02/09/23 13:00

Matrix: Solid

Date Received: 02/10/23 08:37

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	45965	02/10/23 10:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45953	02/10/23 18:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46004	02/13/23 19:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			46121	02/13/23 17:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45930	02/10/23 10:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46064	02/13/23 05:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45964	02/10/23 09:03	KS	EET MID
Soluble	Analysis	300.0		1			45984	02/10/23 13:05	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25-36

Job ID: 880-24556-1
SDG: 21-0100-19

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24556-1	C-35, 1'	Solid	02/06/23 14:30	02/10/23 08:37
880-24556-2	C-33, 1'	Solid	02/06/23 13:30	02/10/23 08:37
880-24556-3	SW-7, 0-1.1'	Solid	02/06/23 13:00	02/10/23 08:37
880-24556-4	C-34, 1'	Solid	02/06/23 14:45	02/10/23 08:37
880-24556-5	C-36, 1'	Solid	02/06/23 15:00	02/10/23 08:37
880-24556-6	C-37, 1'	Solid	02/06/23 15:15	02/10/23 08:37
880-24556-7	SW-3, 0-4.1'	Solid	02/07/23 13:00	02/10/23 08:37
880-24556-8	SW-8, 0-1.1'	Solid	02/08/23 12:00	02/10/23 08:37
880-24556-9	C-23, 2'	Solid	02/09/23 10:00	02/10/23 08:37
880-24556-10	C-12, 2'	Solid	02/09/23 08:30	02/10/23 08:37
880-24556-11	C-11, 2'	Solid	02/08/23 14:15	02/10/23 08:37
880-24556-12	C-10, 2'	Solid	02/08/23 14:00	02/10/23 08:37
880-24556-13	C-14, 2'	Solid	02/09/23 13:00	02/10/23 08:37

24554 No. 2978

No. 2978

CHAIN-OF-CUSTODY

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-24556-1

SDG Number: 21-0100-19

Login Number: 24556**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/17/2023 4:38:10 PM

JOB DESCRIPTION

CB CAL 25 36 State COM 08
SDG NUMBER 21-0100-19

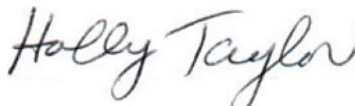
JOB NUMBER

880-25780-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

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3/17/2023 4:38:10 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Laboratory Job ID: 880-25780-1
SDG: 21-0100-19

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Job ID: 880-25780-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-25780-1

Receipt

The samples were received on 3/10/2023 1:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1 0-1' (880-25780-1), SW-5 0-1' (880-25780-2), C-9 2.5' (880-25780-3), C-38 1.5' (880-25780-4), C-39 1.5' (880-25780-5), SW-4 0-1.5' (880-25780-6) and C-40 1.5' (880-25780-7).

Project name changed to CB CAL 25 36 State COM 08 per Robert Nelson (email)

SW-1 0-1' (880-25780-1), SW-5 0-1' (880-25780-2), C-9 2.5' (880-25780-3), C-38 1.5' (880-25780-4), C-39 1.5' (880-25780-5), SW-4 0-1.5' (880-25780-6) and C-40 1.5' (880-25780-7)

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48358 and analytical batch 880-48412 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-9 2.5' (880-25780-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-48358 and analytical batch 880-48412 was outside control limits. Sample non-homogeneity is suspected.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48326 and 880-48326 and analytical batch 880-48344 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: SW-1 0-1' (880-25780-1), SW-5 0-1' (880-25780-2), C-9 2.5' (880-25780-3), C-38 1.5' (880-25780-4), C-39 1.5' (880-25780-5), SW-4 0-1.5' (880-25780-6), C-40 1.5' (880-25780-7), (880-25781-A-11-A), (880-25781-A-11-B MS) and (880-25781-A-11-C MSD).

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Client Sample ID: SW-1 0-1'

Lab Sample ID: 880-25780-1

Date Collected: 03/08/23 11:00

Matrix: Solid

Date Received: 03/10/23 13:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 15:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 15:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 15:02	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		03/16/23 12:20	03/17/23 15:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 15:02	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/16/23 12:20	03/17/23 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/16/23 12:20	03/17/23 15:02	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/16/23 12:20	03/17/23 15:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/17/23 16:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/13/23 17:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9	mg/Kg		03/10/23 16:42	03/12/23 22:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/10/23 16:42	03/12/23 22:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/10/23 16:42	03/12/23 22:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130	03/10/23 16:42	03/12/23 22:13	1
o-Terphenyl (Surr)	121		70 - 130	03/10/23 16:42	03/12/23 22:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		4.99	mg/Kg			03/13/23 14:34	1

Client Sample ID: SW-5 0-1'

Lab Sample ID: 880-25780-2

Date Collected: 03/08/23 11:30

Matrix: Solid

Date Received: 03/10/23 13:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/16/23 12:20	03/17/23 15:22	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/16/23 12:20	03/17/23 15:22	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/16/23 12:20	03/17/23 15:22	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		03/16/23 12:20	03/17/23 15:22	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/16/23 12:20	03/17/23 15:22	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/16/23 12:20	03/17/23 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	03/16/23 12:20	03/17/23 15:22	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/16/23 12:20	03/17/23 15:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Client Sample ID: SW-5 0-1.'

Lab Sample ID: 880-25780-2

Date Collected: 03/08/23 11:30

Matrix: Solid

Date Received: 03/10/23 13:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/17/23 16:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/13/23 17:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/10/23 16:42	03/12/23 23:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/10/23 16:42	03/12/23 23:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/10/23 16:42	03/12/23 23:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			03/10/23 16:42	03/12/23 23:21	1
o-Terphenyl (Surr)	103		70 - 130			03/10/23 16:42	03/12/23 23:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	284		5.01	mg/Kg			03/11/23 17:09	1

Client Sample ID: C-9 2.5'

Lab Sample ID: 880-25780-3

Date Collected: 03/08/23 12:00

Matrix: Solid

Date Received: 03/10/23 13:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/16/23 12:20	03/17/23 15:42	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/16/23 12:20	03/17/23 15:42	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/16/23 12:20	03/17/23 15:42	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/16/23 12:20	03/17/23 15:42	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/16/23 12:20	03/17/23 15:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/16/23 12:20	03/17/23 15:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			03/16/23 12:20	03/17/23 15:42	1
1,4-Difluorobenzene (Surr)	88		70 - 130			03/16/23 12:20	03/17/23 15:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/17/23 16:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/13/23 17:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/10/23 16:42	03/12/23 23:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/10/23 16:42	03/12/23 23:43	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Client Sample ID: C-9 2.5'

Lab Sample ID: 880-25780-3

Date Collected: 03/08/23 12:00

Matrix: Solid

Date Received: 03/10/23 13:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/10/23 16:42	03/12/23 23:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			03/10/23 16:42	03/12/23 23:43	1
o-Terphenyl (Surr)	131	S1+	70 - 130			03/10/23 16:42	03/12/23 23:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	214		25.3	mg/Kg			03/11/23 17:14	5

Client Sample ID: C-38 1.5'

Lab Sample ID: 880-25780-4

Date Collected: 03/08/23 13:00

Matrix: Solid

Date Received: 03/10/23 13:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/16/23 12:20	03/17/23 16:03	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/16/23 12:20	03/17/23 16:03	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/16/23 12:20	03/17/23 16:03	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/16/23 12:20	03/17/23 16:03	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/16/23 12:20	03/17/23 16:03	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/16/23 12:20	03/17/23 16:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			03/16/23 12:20	03/17/23 16:03	1
1,4-Difluorobenzene (Surr)	84		70 - 130			03/16/23 12:20	03/17/23 16:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/17/23 17:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/13/23 17:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/10/23 16:42	03/13/23 00:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/10/23 16:42	03/13/23 00:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/10/23 16:42	03/13/23 00:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			03/10/23 16:42	03/13/23 00:04	1
o-Terphenyl (Surr)	118		70 - 130			03/10/23 16:42	03/13/23 00:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	272		4.98	mg/Kg			03/11/23 17:19	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Client Sample ID: C-39 1.5'

Lab Sample ID: 880-25780-5

Date Collected: 03/09/23 11:30

Matrix: Solid

Date Received: 03/10/23 13:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/16/23 12:20	03/17/23 16:23	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/16/23 12:20	03/17/23 16:23	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/16/23 12:20	03/17/23 16:23	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/16/23 12:20	03/17/23 16:23	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/16/23 12:20	03/17/23 16:23	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/16/23 12:20	03/17/23 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/16/23 12:20	03/17/23 16:23	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/16/23 12:20	03/17/23 16:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/17/23 17:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/13/23 17:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/10/23 16:42	03/13/23 00:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/10/23 16:42	03/13/23 00:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/10/23 16:42	03/13/23 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130	03/10/23 16:42	03/13/23 00:25	1
o-Terphenyl (Surr)	115		70 - 130	03/10/23 16:42	03/13/23 00:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	205		5.00	mg/Kg			03/11/23 17:23	1

Client Sample ID: SW-4 0-1.5'

Lab Sample ID: 880-25780-6

Date Collected: 03/09/23 13:15

Matrix: Solid

Date Received: 03/10/23 13:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 16:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 16:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 16:44	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		03/16/23 12:20	03/17/23 16:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 16:44	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/16/23 12:20	03/17/23 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/16/23 12:20	03/17/23 16:44	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/16/23 12:20	03/17/23 16:44	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Client Sample ID: SW-4 0-1.5'

Lab Sample ID: 880-25780-6

Date Collected: 03/09/23 13:15

Matrix: Solid

Date Received: 03/10/23 13:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/17/23 17:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/13/23 17:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/10/23 16:42	03/13/23 00:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/10/23 16:42	03/13/23 00:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/10/23 16:42	03/13/23 00:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			03/10/23 16:42	03/13/23 00:47	1
o-Terphenyl (Surr)	122		70 - 130			03/10/23 16:42	03/13/23 00:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	494		4.99	mg/Kg			03/11/23 17:28	1

Client Sample ID: C-40 1.5'

Lab Sample ID: 880-25780-7

Date Collected: 03/09/23 13:35

Matrix: Solid

Date Received: 03/10/23 13:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/16/23 12:20	03/17/23 17:04	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/16/23 12:20	03/17/23 17:04	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/16/23 12:20	03/17/23 17:04	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		03/16/23 12:20	03/17/23 17:04	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/16/23 12:20	03/17/23 17:04	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/16/23 12:20	03/17/23 17:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			03/16/23 12:20	03/17/23 17:04	1
1,4-Difluorobenzene (Surr)	94		70 - 130			03/16/23 12:20	03/17/23 17:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/17/23 17:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/13/23 17:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/10/23 16:42	03/13/23 01:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/10/23 16:42	03/13/23 01:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Client Sample ID: C-40 1.5'

Lab Sample ID: 880-25780-7

Date Collected: 03/09/23 13:35

Matrix: Solid

Date Received: 03/10/23 13:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/10/23 16:42	03/13/23 01:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	03/10/23 16:42	03/13/23 01:08	1
o-Terphenyl (Surr)	117		70 - 130	03/10/23 16:42	03/13/23 01:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	289		5.02	mg/Kg			03/11/23 17:33	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

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)
880-25780-1	SW-1 0-1'	104	89
880-25780-2	SW-5 0-1.'	110	87
880-25780-3	C-9 2.5'	95	88
880-25780-4	C-38 1.5'	89	84
880-25780-5	C-39 1.5'	102	94
880-25780-6	SW-4 0-1.5'	106	93
880-25780-7	C-40 1.5'	100	94
LCS 880-48749/1-A	Lab Control Sample	104	100
LCSD 880-48749/2-A	Lab Control Sample Dup	104	102
MB 880-48749/5-A	Method Blank	91	90
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-25780-1	SW-1 0-1'	95	121
880-25780-1 MS	SW-1 0-1'	108	124
880-25780-1 MSD	SW-1 0-1'	94	111
880-25780-2	SW-5 0-1.'	83	103
880-25780-3	C-9 2.5'	107	131 S1+
880-25780-4	C-38 1.5'	92	118
880-25780-5	C-39 1.5'	92	115
880-25780-6	SW-4 0-1.5'	94	122
880-25780-7	C-40 1.5'	91	117
LCS 880-48358/2-A	Lab Control Sample	86	109
LCSD 880-48358/3-A	Lab Control Sample Dup	90	115
MB 880-48358/1-A	Method Blank	119	151 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48749/5-A

Matrix: Solid

Analysis Batch: 48814

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48749

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 13:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 13:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 13:32	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/16/23 12:20	03/17/23 13:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 13:32	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/16/23 12:20	03/17/23 13:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	03/16/23 12:20	03/17/23 13:32	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/16/23 12:20	03/17/23 13:32	1

Lab Sample ID: LCS 880-48749/1-A

Matrix: Solid

Analysis Batch: 48814

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48749

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1051		mg/Kg		105	70 - 130
Toluene	0.100	0.1046		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.09945		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.2012		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1007		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-48749/2-A

Matrix: Solid

Analysis Batch: 48814

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48749

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09834		mg/Kg		98	70 - 130	7	35
Toluene	0.100	0.09708		mg/Kg		97	70 - 130	7	35
Ethylbenzene	0.100	0.09344		mg/Kg		93	70 - 130	6	35
m,p-Xylenes	0.200	0.1907		mg/Kg		95	70 - 130	5	35
o-Xylene	0.100	0.09446		mg/Kg		94	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

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

Lab Sample ID: MB 880-48358/1-A

Matrix: Solid

Analysis Batch: 48412

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48358

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		03/10/23 16:42	03/12/23 21:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/10/23 16:42	03/12/23 21:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/10/23 16:42	03/12/23 21:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			03/10/23 16:42	03/12/23 21:09	1
o-Terphenyl (Surr)	151	S1+	70 - 130			03/10/23 16:42	03/12/23 21:09	1

Lab Sample ID: LCS 880-48358/2-A

Matrix: Solid

Analysis Batch: 48412

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1072		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	933.0		mg/Kg		93	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	86		70 - 130				
o-Terphenyl (Surr)	109		70 - 130				

Lab Sample ID: LCSD 880-48358/3-A

Matrix: Solid

Analysis Batch: 48412

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48358

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1091		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	987.5		mg/Kg		99	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	90		70 - 130						
o-Terphenyl (Surr)	115		70 - 130						

Lab Sample ID: 880-25780-1 MS

Matrix: Solid

Analysis Batch: 48412

Client Sample ID: SW-1 0-1'

Prep Type: Total/NA

Prep Batch: 48358

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	998	1139		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1154		mg/Kg		116	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

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

Lab Sample ID: 880-25780-1 MS

Matrix: Solid

Analysis Batch: 48412

Client Sample ID: SW-1 0-1'

Prep Type: Total/NA

Prep Batch: 48358

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenyl (Surr)	124		70 - 130

Lab Sample ID: 880-25780-1 MSD

Matrix: Solid

Analysis Batch: 48412

Client Sample ID: SW-1 0-1'

Prep Type: Total/NA

Prep Batch: 48358

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	999	861.9	F2	mg/Kg		86	70 - 130	28	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1026		mg/Kg		103	70 - 130	12	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	94		70 - 130								
o-Terphenyl (Surr)	111		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48326/1-A

Matrix: Solid

Analysis Batch: 48344

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00	mg/Kg			03/11/23 15:12	1		

Lab Sample ID: LCS 880-48326/2-A

Matrix: Solid

Analysis Batch: 48344

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	270.9		mg/Kg		108	90 - 110			

Lab Sample ID: LCSD 880-48326/3-A

Matrix: Solid

Analysis Batch: 48344

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	271.3		mg/Kg		109	90 - 110	0	20	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

GC VOA

Prep Batch: 48749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25780-1	SW-1 0-1'	Total/NA	Solid	5035	
880-25780-2	SW-5 0-1.'	Total/NA	Solid	5035	
880-25780-3	C-9 2.5'	Total/NA	Solid	5035	
880-25780-4	C-38 1.5'	Total/NA	Solid	5035	
880-25780-5	C-39 1.5'	Total/NA	Solid	5035	
880-25780-6	SW-4 0-1.5'	Total/NA	Solid	5035	
880-25780-7	C-40 1.5'	Total/NA	Solid	5035	
MB 880-48749/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48749/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48749/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 48814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25780-1	SW-1 0-1'	Total/NA	Solid	8021B	48749
880-25780-2	SW-5 0-1.'	Total/NA	Solid	8021B	48749
880-25780-3	C-9 2.5'	Total/NA	Solid	8021B	48749
880-25780-4	C-38 1.5'	Total/NA	Solid	8021B	48749
880-25780-5	C-39 1.5'	Total/NA	Solid	8021B	48749
880-25780-6	SW-4 0-1.5'	Total/NA	Solid	8021B	48749
880-25780-7	C-40 1.5'	Total/NA	Solid	8021B	48749
MB 880-48749/5-A	Method Blank	Total/NA	Solid	8021B	48749
LCS 880-48749/1-A	Lab Control Sample	Total/NA	Solid	8021B	48749
LCSD 880-48749/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48749

Analysis Batch: 48856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25780-1	SW-1 0-1'	Total/NA	Solid	Total BTEX	
880-25780-2	SW-5 0-1.'	Total/NA	Solid	Total BTEX	
880-25780-3	C-9 2.5'	Total/NA	Solid	Total BTEX	
880-25780-4	C-38 1.5'	Total/NA	Solid	Total BTEX	
880-25780-5	C-39 1.5'	Total/NA	Solid	Total BTEX	
880-25780-6	SW-4 0-1.5'	Total/NA	Solid	Total BTEX	
880-25780-7	C-40 1.5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 48358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25780-1	SW-1 0-1'	Total/NA	Solid	8015NM Prep	
880-25780-2	SW-5 0-1.'	Total/NA	Solid	8015NM Prep	
880-25780-3	C-9 2.5'	Total/NA	Solid	8015NM Prep	
880-25780-4	C-38 1.5'	Total/NA	Solid	8015NM Prep	
880-25780-5	C-39 1.5'	Total/NA	Solid	8015NM Prep	
880-25780-6	SW-4 0-1.5'	Total/NA	Solid	8015NM Prep	
880-25780-7	C-40 1.5'	Total/NA	Solid	8015NM Prep	
MB 880-48358/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48358/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48358/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25780-1 MS	SW-1 0-1'	Total/NA	Solid	8015NM Prep	
880-25780-1 MSD	SW-1 0-1'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

GC Semi VOA

Analysis Batch: 48412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25780-1	SW-1 0-1'	Total/NA	Solid	8015B NM	48358
880-25780-2	SW-5 0-1.'	Total/NA	Solid	8015B NM	48358
880-25780-3	C-9 2.5'	Total/NA	Solid	8015B NM	48358
880-25780-4	C-38 1.5'	Total/NA	Solid	8015B NM	48358
880-25780-5	C-39 1.5'	Total/NA	Solid	8015B NM	48358
880-25780-6	SW-4 0-1.5'	Total/NA	Solid	8015B NM	48358
880-25780-7	C-40 1.5'	Total/NA	Solid	8015B NM	48358
MB 880-48358/1-A	Method Blank	Total/NA	Solid	8015B NM	48358
LCS 880-48358/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48358
LCSD 880-48358/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48358
880-25780-1 MS	SW-1 0-1'	Total/NA	Solid	8015B NM	48358
880-25780-1 MSD	SW-1 0-1'	Total/NA	Solid	8015B NM	48358

Analysis Batch: 48532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25780-1	SW-1 0-1'	Total/NA	Solid	8015 NM	
880-25780-2	SW-5 0-1.'	Total/NA	Solid	8015 NM	
880-25780-3	C-9 2.5'	Total/NA	Solid	8015 NM	
880-25780-4	C-38 1.5'	Total/NA	Solid	8015 NM	
880-25780-5	C-39 1.5'	Total/NA	Solid	8015 NM	
880-25780-6	SW-4 0-1.5'	Total/NA	Solid	8015 NM	
880-25780-7	C-40 1.5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25780-1	SW-1 0-1'	Soluble	Solid	DI Leach	
880-25780-2	SW-5 0-1.'	Soluble	Solid	DI Leach	
880-25780-3	C-9 2.5'	Soluble	Solid	DI Leach	
880-25780-4	C-38 1.5'	Soluble	Solid	DI Leach	
880-25780-5	C-39 1.5'	Soluble	Solid	DI Leach	
880-25780-6	SW-4 0-1.5'	Soluble	Solid	DI Leach	
880-25780-7	C-40 1.5'	Soluble	Solid	DI Leach	
MB 880-48326/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48326/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48326/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 48344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25780-1	SW-1 0-1'	Soluble	Solid	300.0	48326
880-25780-2	SW-5 0-1.'	Soluble	Solid	300.0	48326
880-25780-3	C-9 2.5'	Soluble	Solid	300.0	48326
880-25780-4	C-38 1.5'	Soluble	Solid	300.0	48326
880-25780-5	C-39 1.5'	Soluble	Solid	300.0	48326
880-25780-6	SW-4 0-1.5'	Soluble	Solid	300.0	48326
880-25780-7	C-40 1.5'	Soluble	Solid	300.0	48326
MB 880-48326/1-A	Method Blank	Soluble	Solid	300.0	48326
LCS 880-48326/2-A	Lab Control Sample	Soluble	Solid	300.0	48326
LCSD 880-48326/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48326

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Client Sample ID: SW-1 0-1'

Lab Sample ID: 880-25780-1

Date Collected: 03/08/23 11:00

Matrix: Solid

Date Received: 03/10/23 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	48749	03/16/23 12:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48814	03/17/23 15:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48856	03/17/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			48532	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48358	03/10/23 16:42	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 22:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48326	03/10/23 13:49	CH	EET MID
Soluble	Analysis	300.0		1			48344	03/13/23 14:34	SMC	EET MID

Client Sample ID: SW-5 0-1'

Lab Sample ID: 880-25780-2

Date Collected: 03/08/23 11:30

Matrix: Solid

Date Received: 03/10/23 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48749	03/16/23 12:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48814	03/17/23 15:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48856	03/17/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			48532	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48358	03/10/23 16:42	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 23:21	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48326	03/10/23 13:49	CH	EET MID
Soluble	Analysis	300.0		1			48344	03/11/23 17:09	SMC	EET MID

Client Sample ID: C-9 2.5'

Lab Sample ID: 880-25780-3

Date Collected: 03/08/23 12:00

Matrix: Solid

Date Received: 03/10/23 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48749	03/16/23 12:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48814	03/17/23 15:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48856	03/17/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			48532	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48358	03/10/23 16:42	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/12/23 23:43	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48326	03/10/23 13:49	CH	EET MID
Soluble	Analysis	300.0		5			48344	03/11/23 17:14	SMC	EET MID

Client Sample ID: C-38 1.5'

Lab Sample ID: 880-25780-4

Date Collected: 03/08/23 13:00

Matrix: Solid

Date Received: 03/10/23 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48749	03/16/23 12:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48814	03/17/23 16:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48856	03/17/23 17:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Client Sample ID: C-38 1.5'

Lab Sample ID: 880-25780-4

Date Collected: 03/08/23 13:00

Matrix: Solid

Date Received: 03/10/23 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48532	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48358	03/10/23 16:42	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/13/23 00:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48326	03/10/23 13:49	CH	EET MID
Soluble	Analysis	300.0		1			48344	03/11/23 17:19	SMC	EET MID

Client Sample ID: C-39 1.5'

Lab Sample ID: 880-25780-5

Date Collected: 03/09/23 11:30

Matrix: Solid

Date Received: 03/10/23 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48749	03/16/23 12:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48814	03/17/23 16:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48856	03/17/23 17:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			48532	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48358	03/10/23 16:42	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/13/23 00:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48326	03/10/23 13:49	CH	EET MID
Soluble	Analysis	300.0		1			48344	03/11/23 17:23	SMC	EET MID

Client Sample ID: SW-4 0-1.5'

Lab Sample ID: 880-25780-6

Date Collected: 03/09/23 13:15

Matrix: Solid

Date Received: 03/10/23 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48749	03/16/23 12:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48814	03/17/23 16:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48856	03/17/23 17:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			48532	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48358	03/10/23 16:42	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/13/23 00:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48326	03/10/23 13:49	CH	EET MID
Soluble	Analysis	300.0		1			48344	03/11/23 17:28	SMC	EET MID

Client Sample ID: C-40 1.5'

Lab Sample ID: 880-25780-7

Date Collected: 03/09/23 13:35

Matrix: Solid

Date Received: 03/10/23 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48749	03/16/23 12:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48814	03/17/23 17:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48856	03/17/23 17:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			48532	03/13/23 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48358	03/10/23 16:42	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48412	03/13/23 01:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Client Sample ID: C-40 1.5'

Date Collected: 03/09/23 13:35

Date Received: 03/10/23 13:15

Lab Sample ID: 880-25780-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	48326	03/10/23 13:49	CH	EET MID
Soluble	Analysis	300.0		1			48344	03/11/23 17:33	SMC	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State COM 08

Job ID: 880-25780-1
SDG: 21-0100-19

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25780-1	SW-1 0-1'	Solid	03/08/23 11:00	03/10/23 13:15
880-25780-2	SW-5 0-1.'	Solid	03/08/23 11:30	03/10/23 13:15
880-25780-3	C-9 2.5'	Solid	03/08/23 12:00	03/10/23 13:15
880-25780-4	C-38 1.5'	Solid	03/08/23 13:00	03/10/23 13:15
880-25780-5	C-39 1.5'	Solid	03/09/23 11:30	03/10/23 13:15
880-25780-6	SW-4 0-1.5'	Solid	03/09/23 13:15	03/10/23 13:15
880-25780-7	C-40 1.5'	Solid	03/09/23 13:35	03/10/23 13:15

3/17/2023

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-25780-1

SDG Number: 21-0100-19

Login Number: 25780

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/7/2023 4:17:45 PM

JOB DESCRIPTION

CB Cal 25-36
SDG NUMBER 21-0100-19

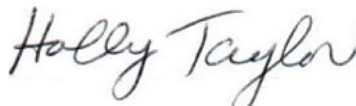
JOB NUMBER

880-25460-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

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Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Laboratory Job ID: 880-25460-1
SDG: 21-0100-19

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

Job ID: 880-25460-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-25460-1

Receipt

The samples were received on 3/6/2023 8:26 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 5.3°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

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

HPLC/IC

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

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

Client Sample ID: BF-1

Lab Sample ID: 880-25460-1

Date Collected: 03/02/23 13:00

Matrix: Solid

Date Received: 03/06/23 08:26

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201	mg/Kg		03/06/23 12:10	03/07/23 13:48	1
Toluene	<0.00201	U F1	0.00201	mg/Kg		03/06/23 12:10	03/07/23 13:48	1
Ethylbenzene	<0.00201	U F1	0.00201	mg/Kg		03/06/23 12:10	03/07/23 13:48	1
m,p-Xylenes	<0.00402	U F1	0.00402	mg/Kg		03/06/23 12:10	03/07/23 13:48	1
o-Xylene	<0.00201	U F1 F2	0.00201	mg/Kg		03/06/23 12:10	03/07/23 13:48	1
Xylenes, Total	<0.00402	U F1	0.00402	mg/Kg		03/06/23 12:10	03/07/23 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	03/06/23 12:10	03/07/23 13:48	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/06/23 12:10	03/07/23 13:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/07/23 17:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/07/23 14:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/06/23 11:54	03/06/23 21:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/06/23 11:54	03/06/23 21:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/06/23 11:54	03/06/23 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	03/06/23 11:54	03/06/23 21:12	1
o-Terphenyl (Surr)	112		70 - 130	03/06/23 11:54	03/06/23 21:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	489		4.99	mg/Kg			03/06/23 14:59	1

Client Sample ID: BF-2

Lab Sample ID: 880-25460-2

Date Collected: 03/02/23 13:05

Matrix: Solid

Date Received: 03/06/23 08:26

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/06/23 12:10	03/07/23 14:08	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/06/23 12:10	03/07/23 14:08	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/06/23 12:10	03/07/23 14:08	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		03/06/23 12:10	03/07/23 14:08	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/06/23 12:10	03/07/23 14:08	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/06/23 12:10	03/07/23 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	03/06/23 12:10	03/07/23 14:08	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/06/23 12:10	03/07/23 14:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

Client Sample ID: BF-2

Lab Sample ID: 880-25460-2

Date Collected: 03/02/23 13:05

Matrix: Solid

Date Received: 03/06/23 08:26

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/07/23 17:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/07/23 14:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/06/23 11:54	03/06/23 22:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/06/23 11:54	03/06/23 22:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/06/23 11:54	03/06/23 22:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			03/06/23 11:54	03/06/23 22:16	1
o-Terphenyl (Surr)	108		70 - 130			03/06/23 11:54	03/06/23 22:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.0		4.95	mg/Kg			03/06/23 15:14	1

Client Sample ID: C-26, 3'

Lab Sample ID: 880-25460-3

Date Collected: 03/03/23 13:25

Matrix: Solid

Date Received: 03/06/23 08:26

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/06/23 12:10	03/07/23 14:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/06/23 12:10	03/07/23 14:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/06/23 12:10	03/07/23 14:28	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/06/23 12:10	03/07/23 14:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/06/23 12:10	03/07/23 14:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/06/23 12:10	03/07/23 14:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			03/06/23 12:10	03/07/23 14:28	1
1,4-Difluorobenzene (Surr)	106		70 - 130			03/06/23 12:10	03/07/23 14:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/07/23 17:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/07/23 14:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/06/23 11:54	03/06/23 22:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/06/23 11:54	03/06/23 22:38	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

Client Sample ID: C-26, 3'

Lab Sample ID: 880-25460-3

Date Collected: 03/03/23 13:25

Matrix: Solid

Date Received: 03/06/23 08:26

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/06/23 11:54	03/06/23 22:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			03/06/23 11:54	03/06/23 22:38	1
o-Terphenyl (Surr)	110		70 - 130			03/06/23 11:54	03/06/23 22:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	396		25.1	mg/Kg			03/06/23 15:18	5

Client Sample ID: C-9, 2'

Lab Sample ID: 880-25460-4

Date Collected: 03/03/23 13:10

Matrix: Solid

Date Received: 03/06/23 08:26

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/06/23 12:10	03/07/23 14:49	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/06/23 12:10	03/07/23 14:49	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/06/23 12:10	03/07/23 14:49	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/06/23 12:10	03/07/23 14:49	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/06/23 12:10	03/07/23 14:49	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/06/23 12:10	03/07/23 14:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			03/06/23 12:10	03/07/23 14:49	1
1,4-Difluorobenzene (Surr)	109		70 - 130			03/06/23 12:10	03/07/23 14:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/07/23 17:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/07/23 14:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/06/23 11:54	03/06/23 23:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/06/23 11:54	03/06/23 23:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/06/23 11:54	03/06/23 23:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			03/06/23 11:54	03/06/23 23:00	1
o-Terphenyl (Surr)	108		70 - 130			03/06/23 11:54	03/06/23 23:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	620		24.9	mg/Kg			03/06/23 15:23	5

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

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)
880-25460-1	BF-1	115	106
880-25460-1 MS	BF-1	121	110
880-25460-1 MSD	BF-1	101	102
880-25460-2	BF-2	119	108
880-25460-3	C-26, 3'	115	106
880-25460-4	C-9, 2'	125	109
LCS 880-47929/1-A	Lab Control Sample	116	112
LCSD 880-47929/2-A	Lab Control Sample Dup	111	109
MB 880-47929/5-A	Method Blank	104	100
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-25460-1	BF-1	114	112
880-25460-1 MS	BF-1	121	106
880-25460-1 MSD	BF-1	121	106
880-25460-2	BF-2	112	108
880-25460-3	C-26, 3'	111	110
880-25460-4	C-9, 2'	109	108
LCS 880-47924/2-A	Lab Control Sample	96	89
LCSD 880-47924/3-A	Lab Control Sample Dup	94	88
MB 880-47924/1-A	Method Blank	121	122
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-47929/5-A

Matrix: Solid

Analysis Batch: 47994

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47929

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/06/23 12:10	03/07/23 13:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/06/23 12:10	03/07/23 13:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/06/23 12:10	03/07/23 13:19	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/06/23 12:10	03/07/23 13:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/06/23 12:10	03/07/23 13:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/06/23 12:10	03/07/23 13:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/06/23 12:10	03/07/23 13:19	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/06/23 12:10	03/07/23 13:19	1

Lab Sample ID: LCS 880-47929/1-A

Matrix: Solid

Analysis Batch: 47994

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1017		mg/Kg		102	70 - 130
Toluene	0.100	0.1036		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1140		mg/Kg		114	70 - 130
m,p-Xylenes	0.200	0.2451		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1197		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-47929/2-A

Matrix: Solid

Analysis Batch: 47994

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47929

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08336		mg/Kg		83	70 - 130	20	35
Toluene	0.100	0.08120		mg/Kg		81	70 - 130	24	35
Ethylbenzene	0.100	0.08464		mg/Kg		85	70 - 130	30	35
m,p-Xylenes	0.200	0.1812		mg/Kg		91	70 - 130	30	35
o-Xylene	0.100	0.09081		mg/Kg		91	70 - 130	27	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-25460-1 MS

Matrix: Solid

Analysis Batch: 47994

Client Sample ID: BF-1

Prep Type: Total/NA

Prep Batch: 47929

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.08268		mg/Kg		82	70 - 130
Toluene	<0.00201	U F1	0.100	0.08167		mg/Kg		81	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

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

Lab Sample ID: 880-25460-1 MS

Matrix: Solid

Analysis Batch: 47994

Client Sample ID: BF-1

Prep Type: Total/NA

Prep Batch: 47929

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.100	0.08336		mg/Kg		83	70 - 130
m,p-Xylenes	<0.00402	U F1	0.201	0.1798		mg/Kg		90	70 - 130
o-Xylene	<0.00201	U F1 F2	0.100	0.09236		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-25460-1 MSD

Matrix: Solid

Analysis Batch: 47994

Client Sample ID: BF-1

Prep Type: Total/NA

Prep Batch: 47929

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00201	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00201	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
m,p-Xylenes	<0.00402	U F1	0.198	<0.00396	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00201	U F1 F2	0.0990	<0.00198	U F1 F2	mg/Kg		0.4	70 - 130	198	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-47924/1-A

Matrix: Solid

Analysis Batch: 47860

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47924

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		03/06/23 11:54	03/06/23 20:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/06/23 11:54	03/06/23 20:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/06/23 11:54	03/06/23 20:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130	03/06/23 11:54	03/06/23 20:08	1
o-Terphenyl (Surr)	122		70 - 130	03/06/23 11:54	03/06/23 20:08	1

Lab Sample ID: LCS 880-47924/2-A

Matrix: Solid

Analysis Batch: 47860

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47924

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	829.7		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	838.8		mg/Kg		84	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

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

Lab Sample ID: LCS 880-47924/2-A
Matrix: Solid
Analysis Batch: 47860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47924

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	96		70 - 130
o-Terphenyl (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-47924/3-A
Matrix: Solid
Analysis Batch: 47860

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47924

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	844.6		mg/Kg		84	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	834.7		mg/Kg		83	70 - 130	0	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	88		70 - 130

Lab Sample ID: 880-25460-1 MS
Matrix: Solid
Analysis Batch: 47860

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 47924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1034		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	812.6		mg/Kg		79	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	121		70 - 130
o-Terphenyl (Surr)	106		70 - 130

Lab Sample ID: 880-25460-1 MSD
Matrix: Solid
Analysis Batch: 47860

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 47924

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1042		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	811.7		mg/Kg		79	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	121		70 - 130
o-Terphenyl (Surr)	106		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47872/1-A

Matrix: Solid

Analysis Batch: 47887

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			03/06/23 14:45	1

Lab Sample ID: LCS 880-47872/2-A

Matrix: Solid

Analysis Batch: 47887

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	266.7		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-47872/3-A

Matrix: Solid

Analysis Batch: 47887

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	267.8		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-25460-1 MS

Matrix: Solid

Analysis Batch: 47887

Client Sample ID: BF-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	489		250	739.1		mg/Kg		100	90 - 110

Lab Sample ID: 880-25460-1 MSD

Matrix: Solid

Analysis Batch: 47887

Client Sample ID: BF-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	489		250	740.6		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

GC VOA

Prep Batch: 47929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25460-1	BF-1	Total/NA	Solid	5035	
880-25460-2	BF-2	Total/NA	Solid	5035	
880-25460-3	C-26, 3'	Total/NA	Solid	5035	
880-25460-4	C-9, 2'	Total/NA	Solid	5035	
MB 880-47929/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47929/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47929/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25460-1 MS	BF-1	Total/NA	Solid	5035	
880-25460-1 MSD	BF-1	Total/NA	Solid	5035	

Analysis Batch: 47994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25460-1	BF-1	Total/NA	Solid	8021B	47929
880-25460-2	BF-2	Total/NA	Solid	8021B	47929
880-25460-3	C-26, 3'	Total/NA	Solid	8021B	47929
880-25460-4	C-9, 2'	Total/NA	Solid	8021B	47929
MB 880-47929/5-A	Method Blank	Total/NA	Solid	8021B	47929
LCS 880-47929/1-A	Lab Control Sample	Total/NA	Solid	8021B	47929
LCSD 880-47929/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47929
880-25460-1 MS	BF-1	Total/NA	Solid	8021B	47929
880-25460-1 MSD	BF-1	Total/NA	Solid	8021B	47929

Analysis Batch: 48073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25460-1	BF-1	Total/NA	Solid	Total BTEX	
880-25460-2	BF-2	Total/NA	Solid	Total BTEX	
880-25460-3	C-26, 3'	Total/NA	Solid	Total BTEX	
880-25460-4	C-9, 2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 47860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25460-1	BF-1	Total/NA	Solid	8015B NM	47924
880-25460-2	BF-2	Total/NA	Solid	8015B NM	47924
880-25460-3	C-26, 3'	Total/NA	Solid	8015B NM	47924
880-25460-4	C-9, 2'	Total/NA	Solid	8015B NM	47924
MB 880-47924/1-A	Method Blank	Total/NA	Solid	8015B NM	47924
LCS 880-47924/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47924
LCSD 880-47924/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47924
880-25460-1 MS	BF-1	Total/NA	Solid	8015B NM	47924
880-25460-1 MSD	BF-1	Total/NA	Solid	8015B NM	47924

Prep Batch: 47924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25460-1	BF-1	Total/NA	Solid	8015NM Prep	
880-25460-2	BF-2	Total/NA	Solid	8015NM Prep	
880-25460-3	C-26, 3'	Total/NA	Solid	8015NM Prep	
880-25460-4	C-9, 2'	Total/NA	Solid	8015NM Prep	
MB 880-47924/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47924/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

GC Semi VOA (Continued)

Prep Batch: 47924 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-47924/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25460-1 MS	BF-1	Total/NA	Solid	8015NM Prep	
880-25460-1 MSD	BF-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25460-1	BF-1	Total/NA	Solid	8015 NM	
880-25460-2	BF-2	Total/NA	Solid	8015 NM	
880-25460-3	C-26, 3'	Total/NA	Solid	8015 NM	
880-25460-4	C-9, 2'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25460-1	BF-1	Soluble	Solid	DI Leach	
880-25460-2	BF-2	Soluble	Solid	DI Leach	
880-25460-3	C-26, 3'	Soluble	Solid	DI Leach	
880-25460-4	C-9, 2'	Soluble	Solid	DI Leach	
MB 880-47872/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47872/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47872/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25460-1 MS	BF-1	Soluble	Solid	DI Leach	
880-25460-1 MSD	BF-1	Soluble	Solid	DI Leach	

Analysis Batch: 47887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25460-1	BF-1	Soluble	Solid	300.0	47872
880-25460-2	BF-2	Soluble	Solid	300.0	47872
880-25460-3	C-26, 3'	Soluble	Solid	300.0	47872
880-25460-4	C-9, 2'	Soluble	Solid	300.0	47872
MB 880-47872/1-A	Method Blank	Soluble	Solid	300.0	47872
LCS 880-47872/2-A	Lab Control Sample	Soluble	Solid	300.0	47872
LCSD 880-47872/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47872
880-25460-1 MS	BF-1	Soluble	Solid	300.0	47872
880-25460-1 MSD	BF-1	Soluble	Solid	300.0	47872

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

Client Sample ID: BF-1

Lab Sample ID: 880-25460-1

Date Collected: 03/02/23 13:00

Matrix: Solid

Date Received: 03/06/23 08:26

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	47929	03/06/23 12:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47994	03/07/23 13:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48073	03/07/23 17:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48059	03/07/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47924	03/06/23 11:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47860	03/06/23 21:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47872	03/06/23 09:43	KS	EET MID
Soluble	Analysis	300.0		1			47887	03/06/23 14:59	CH	EET MID

Client Sample ID: BF-2

Lab Sample ID: 880-25460-2

Date Collected: 03/02/23 13:05

Matrix: Solid

Date Received: 03/06/23 08:26

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	47929	03/06/23 12:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47994	03/07/23 14:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48073	03/07/23 17:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48059	03/07/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47924	03/06/23 11:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47860	03/06/23 22:16	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47872	03/06/23 09:43	KS	EET MID
Soluble	Analysis	300.0		1			47887	03/06/23 15:14	CH	EET MID

Client Sample ID: C-26, 3'

Lab Sample ID: 880-25460-3

Date Collected: 03/03/23 13:25

Matrix: Solid

Date Received: 03/06/23 08:26

Prep 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	47929	03/06/23 12:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47994	03/07/23 14:28	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48073	03/07/23 17:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48059	03/07/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47924	03/06/23 11:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47860	03/06/23 22:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47872	03/06/23 09:43	KS	EET MID
Soluble	Analysis	300.0		5			47887	03/06/23 15:18	CH	EET MID

Client Sample ID: C-9, 2'

Lab Sample ID: 880-25460-4

Date Collected: 03/03/23 13:10

Matrix: Solid

Date Received: 03/06/23 08:26

Prep 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	47929	03/06/23 12:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47994	03/07/23 14:49	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48073	03/07/23 17:11	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

Client Sample ID: C-9, 2'
Date Collected: 03/03/23 13:10
Date Received: 03/06/23 08:26

Lab Sample ID: 880-25460-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48059	03/07/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47924	03/06/23 11:54	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47860	03/06/23 23:00	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47872	03/06/23 09:43	KS	EET MID
Soluble	Analysis	300.0		5			47887	03/06/23 15:23	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

- 1
- 2
- 3
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Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: CB Cal 25-36

Job ID: 880-25460-1
SDG: 21-0100-19

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25460-1	BF-1	Solid	03/02/23 13:00	03/06/23 08:26
880-25460-2	BF-2	Solid	03/02/23 13:05	03/06/23 08:26
880-25460-3	C-26, 3'	Solid	03/03/23 13:25	03/06/23 08:26
880-25460-4	C-9, 2'	Solid	03/03/23 13:10	03/06/23 08:26

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3/7/2023

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-25460-1

SDG Number: 21-0100-19

Login Number: 25460

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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

Laboratory Job ID: 880-20326-1

Laboratory Sample Delivery Group: 21-0100-19

Client Project/Site: CB CAL 25 36 State

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:

10/19/2022 4:52:56 PM

Holly Taylor, Project Manager
(806)794-1296

Holly.Taylor@et.eurofinsus.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: CB CAL 25 36 State

Laboratory Job ID: 880-20326-1
SDG: 21-0100-19

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Job ID: 880-20326-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-20326-1

Receipt

The samples were received on 10/12/2022 3:07 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.6° C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1 0-1' (880-20326-1), C-1 1' (880-20326-2), C-2 1' (880-20326-3), C-3 1' (880-20326-4), C-4 1' (880-20326-5), C-5 1' (880-20326-6), C-6 4.1' (880-20326-7), C-7 4.1' (880-20326-8), SW-3 0-4.1' (880-20326-9), SW-2 0-4.1' (880-20326-10), C-8 1.5' (880-20326-11), 1.5' (880-20326-12), C-10 1.5' (880-20326-13), C-11 1.5' (880-20326-14), C-12 1.5' (880-20326-15), C-13 1.5' (880-20326-16), C-14 1.5' (880-20326-17) and SW-4 0-1.5' (880-20326-18).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-37185 recovered under the lower control limit for Toluene, Ethylbenzene, m,p-Xylenes and o-Xylene due to instrument failure in injecting. The samples associated with the CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: The method blank for preparation batch 880-36984 and analytical batch 880-37185 contained Benzene and o-Xylene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

GC Semi VOA

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-36810/4). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: SW-4 0-1.5' (880-20326-18). 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.

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: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: SW-1 0-1'

Lab Sample ID: 880-20326-1

Date Collected: 10/05/22 14:00

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/13/22 13:52	10/15/22 07:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/13/22 13:52	10/15/22 07:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/13/22 13:52	10/15/22 07:11	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		10/13/22 13:52	10/15/22 07:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/13/22 13:52	10/15/22 07:11	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		10/13/22 13:52	10/15/22 07:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	10/13/22 13:52	10/15/22 07:11	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/13/22 13:52	10/15/22 07:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			10/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 12:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 12:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 12:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	10/13/22 08:51	10/13/22 12:08	1
o-Terphenyl (Surr)	112		70 - 130	10/13/22 08:51	10/13/22 12:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2200		25.0	mg/Kg			10/17/22 17:28	5

Client Sample ID: C-1 1'

Lab Sample ID: 880-20326-2

Date Collected: 10/05/22 14:30

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		10/13/22 13:52	10/15/22 07:32	1
Toluene	<0.00201	U	0.00201	mg/Kg		10/13/22 13:52	10/15/22 07:32	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		10/13/22 13:52	10/15/22 07:32	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		10/13/22 13:52	10/15/22 07:32	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		10/13/22 13:52	10/15/22 07:32	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		10/13/22 13:52	10/15/22 07:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/13/22 13:52	10/15/22 07:32	1
1,4-Difluorobenzene (Surr)	106		70 - 130	10/13/22 13:52	10/15/22 07:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-1 1'

Lab Sample ID: 880-20326-2

Date Collected: 10/05/22 14:30

Matrix: Solid

Date Received: 10/12/22 15:07

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			10/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 13:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 13:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 13:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			10/13/22 08:51	10/13/22 13:11	1
o-Terphenyl (Surr)	110		70 - 130			10/13/22 08:51	10/13/22 13:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440		4.95	mg/Kg			10/17/22 17:43	1

Client Sample ID: C-2 1'

Lab Sample ID: 880-20326-3

Date Collected: 10/05/22 14:45

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/13/22 13:52	10/15/22 07:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/13/22 13:52	10/15/22 07:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/13/22 13:52	10/15/22 07:52	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		10/13/22 13:52	10/15/22 07:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/13/22 13:52	10/15/22 07:52	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		10/13/22 13:52	10/15/22 07:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			10/13/22 13:52	10/15/22 07:52	1
1,4-Difluorobenzene (Surr)	107		70 - 130			10/13/22 13:52	10/15/22 07:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			10/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 13:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 13:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-2 1'

Lab Sample ID: 880-20326-3

Date Collected: 10/05/22 14:45

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 13:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			10/13/22 08:51	10/13/22 13:32	1
o-Terphenyl (Surr)	111		70 - 130			10/13/22 08:51	10/13/22 13:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	875		25.0	mg/Kg			10/17/22 17:47	5

Client Sample ID: C-3 1'

Lab Sample ID: 880-20326-4

Date Collected: 10/05/22 15:00

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		10/13/22 13:52	10/15/22 08:13	1
Toluene	<0.00198	U	0.00198	mg/Kg		10/13/22 13:52	10/15/22 08:13	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		10/13/22 13:52	10/15/22 08:13	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		10/13/22 13:52	10/15/22 08:13	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		10/13/22 13:52	10/15/22 08:13	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		10/13/22 13:52	10/15/22 08:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			10/13/22 13:52	10/15/22 08:13	1
1,4-Difluorobenzene (Surr)	103		70 - 130			10/13/22 13:52	10/15/22 08:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			10/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 13:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 13:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 13:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			10/13/22 08:51	10/13/22 13:53	1
o-Terphenyl (Surr)	110		70 - 130			10/13/22 08:51	10/13/22 13:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	919		25.0	mg/Kg			10/17/22 17:52	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-4 1'

Lab Sample ID: 880-20326-5

Date Collected: 10/05/22 15:15

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		10/17/22 08:52	10/17/22 13:09	1
Toluene	<0.00198	U	0.00198	mg/Kg		10/17/22 08:52	10/17/22 13:09	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		10/17/22 08:52	10/17/22 13:09	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		10/17/22 08:52	10/17/22 13:09	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		10/17/22 08:52	10/17/22 13:09	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		10/17/22 08:52	10/17/22 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/17/22 08:52	10/17/22 13:09	1
1,4-Difluorobenzene (Surr)	124		70 - 130	10/17/22 08:52	10/17/22 13:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			10/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 14:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 14:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130	10/13/22 08:51	10/13/22 14:14	1
o-Terphenyl (Surr)	127		70 - 130	10/13/22 08:51	10/13/22 14:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1070		25.2	mg/Kg			10/17/22 17:57	5

Client Sample ID: C-5 1'

Lab Sample ID: 880-20326-6

Date Collected: 10/05/22 15:30

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		10/13/22 13:52	10/15/22 08:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		10/13/22 13:52	10/15/22 08:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		10/13/22 13:52	10/15/22 08:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		10/13/22 13:52	10/15/22 08:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		10/13/22 13:52	10/15/22 08:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		10/13/22 13:52	10/15/22 08:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	10/13/22 13:52	10/15/22 08:53	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/13/22 13:52	10/15/22 08:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-5 1'

Lab Sample ID: 880-20326-6

Date Collected: 10/05/22 15:30

Matrix: Solid

Date Received: 10/12/22 15:07

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			10/17/22 10:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 14:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 14:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 14:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			10/13/22 08:51	10/13/22 14:35	1
o-Terphenyl (Surr)	113		70 - 130			10/13/22 08:51	10/13/22 14:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	689		24.9	mg/Kg			10/17/22 18:12	5

Client Sample ID: C-6 4.1'

Lab Sample ID: 880-20326-7

Date Collected: 10/06/22 11:00

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 01:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 01:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 01:09	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		10/14/22 15:00	10/19/22 01:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 01:09	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		10/14/22 15:00	10/19/22 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			10/14/22 15:00	10/19/22 01:09	1
1,4-Difluorobenzene (Surr)	94		70 - 130			10/14/22 15:00	10/19/22 01:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			10/19/22 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 14:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 14:56	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-6 4.1'

Lab Sample ID: 880-20326-7

Date Collected: 10/06/22 11:00

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 14:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130			10/13/22 08:51	10/13/22 14:56	1
o-Terphenyl (Surr)	104		70 - 130			10/13/22 08:51	10/13/22 14:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		5.00	mg/Kg			10/17/22 18:17	1

Client Sample ID: C-7 4.1'

Lab Sample ID: 880-20326-8

Date Collected: 10/06/22 11:15

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		10/14/22 15:00	10/19/22 01:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		10/14/22 15:00	10/19/22 01:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		10/14/22 15:00	10/19/22 01:30	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		10/14/22 15:00	10/19/22 01:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		10/14/22 15:00	10/19/22 01:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		10/14/22 15:00	10/19/22 01:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130			10/14/22 15:00	10/19/22 01:30	1
1,4-Difluorobenzene (Surr)	122		70 - 130			10/14/22 15:00	10/19/22 01:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			10/19/22 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1030		50.0	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 15:17	1
Diesel Range Organics (Over C10-C28)	919		50.0	mg/Kg		10/13/22 08:51	10/13/22 15:17	1
Oil Range Organics (Over C28-C36)	108		50.0	mg/Kg		10/13/22 08:51	10/13/22 15:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			10/13/22 08:51	10/13/22 15:17	1
o-Terphenyl (Surr)	125		70 - 130			10/13/22 08:51	10/13/22 15:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	988		25.1	mg/Kg			10/17/22 18:22	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: SW-3 0-4.1'

Lab Sample ID: 880-20326-9

Date Collected: 10/06/22 11:30

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		10/14/22 15:00	10/19/22 03:54	1
Toluene	<0.00202	U	0.00202	mg/Kg		10/14/22 15:00	10/19/22 03:54	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		10/14/22 15:00	10/19/22 03:54	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		10/14/22 15:00	10/19/22 03:54	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		10/14/22 15:00	10/19/22 03:54	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		10/14/22 15:00	10/19/22 03:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	10/14/22 15:00	10/19/22 03:54	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/14/22 15:00	10/19/22 03:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			10/19/22 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	112		49.8	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 15:38	1
Diesel Range Organics (Over C10-C28)	112		49.8	mg/Kg		10/13/22 08:51	10/13/22 15:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	10/13/22 08:51	10/13/22 15:38	1
o-Terphenyl (Surr)	115		70 - 130	10/13/22 08:51	10/13/22 15:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2710		49.8	mg/Kg			10/17/22 18:27	10

Client Sample ID: SW-2 0-4.1'

Lab Sample ID: 880-20326-10

Date Collected: 10/06/22 11:45

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		10/14/22 15:00	10/19/22 04:14	1
Toluene	<0.00198	U	0.00198	mg/Kg		10/14/22 15:00	10/19/22 04:14	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		10/14/22 15:00	10/19/22 04:14	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		10/14/22 15:00	10/19/22 04:14	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		10/14/22 15:00	10/19/22 04:14	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		10/14/22 15:00	10/19/22 04:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	10/14/22 15:00	10/19/22 04:14	1
1,4-Difluorobenzene (Surr)	83		70 - 130	10/14/22 15:00	10/19/22 04:14	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: SW-2 0-4.1'

Lab Sample ID: 880-20326-10

Date Collected: 10/06/22 11:45

Matrix: Solid

Date Received: 10/12/22 15:07

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			10/19/22 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 15:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 15:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 15:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			10/13/22 08:51	10/13/22 15:59	1
o-Terphenyl (Surr)	118		70 - 130			10/13/22 08:51	10/13/22 15:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3400		49.5	mg/Kg			10/17/22 18:31	10

Client Sample ID: C-8 1.5'

Lab Sample ID: 880-20326-11

Date Collected: 10/07/22 15:00

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		10/14/22 15:00	10/19/22 04:35	1
Toluene	<0.00201	U	0.00201	mg/Kg		10/14/22 15:00	10/19/22 04:35	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		10/14/22 15:00	10/19/22 04:35	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		10/14/22 15:00	10/19/22 04:35	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		10/14/22 15:00	10/19/22 04:35	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		10/14/22 15:00	10/19/22 04:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			10/14/22 15:00	10/19/22 04:35	1
1,4-Difluorobenzene (Surr)	106		70 - 130			10/14/22 15:00	10/19/22 04:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			10/19/22 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 16:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 16:40	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-8 1.5'

Lab Sample ID: 880-20326-11

Date Collected: 10/07/22 15:00

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 16:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			10/13/22 08:51	10/13/22 16:40	1
o-Terphenyl (Surr)	115		70 - 130			10/13/22 08:51	10/13/22 16:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	561		25.2	mg/Kg			10/17/22 18:36	5

Client Sample ID: C-9 1.5'

Lab Sample ID: 880-20326-12

Date Collected: 10/07/22 15:15

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 04:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 04:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 04:55	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		10/14/22 15:00	10/19/22 04:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 04:55	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		10/14/22 15:00	10/19/22 04:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			10/14/22 15:00	10/19/22 04:55	1
1,4-Difluorobenzene (Surr)	96		70 - 130			10/14/22 15:00	10/19/22 04:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			10/19/22 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 17:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 17:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/13/22 08:51	10/13/22 17:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			10/13/22 08:51	10/13/22 17:00	1
o-Terphenyl (Surr)	117		70 - 130			10/13/22 08:51	10/13/22 17:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	612		25.0	mg/Kg			10/17/22 18:51	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-10 1.5'

Lab Sample ID: 880-20326-13

Date Collected: 10/07/22 15:30

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 05:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 05:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 05:16	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		10/14/22 15:00	10/19/22 05:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 05:16	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		10/14/22 15:00	10/19/22 05:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	10/14/22 15:00	10/19/22 05:16	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/14/22 15:00	10/19/22 05:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			10/19/22 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 17:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 17:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	10/13/22 08:51	10/13/22 17:21	1
o-Terphenyl (Surr)	114		70 - 130	10/13/22 08:51	10/13/22 17:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1030		25.1	mg/Kg			10/17/22 18:56	5

Client Sample ID: C-11 1.5'

Lab Sample ID: 880-20326-14

Date Collected: 10/07/22 15:45

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		10/14/22 15:00	10/19/22 05:36	1
Toluene	<0.00199	U	0.00199	mg/Kg		10/14/22 15:00	10/19/22 05:36	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		10/14/22 15:00	10/19/22 05:36	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		10/14/22 15:00	10/19/22 05:36	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		10/14/22 15:00	10/19/22 05:36	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		10/14/22 15:00	10/19/22 05:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	10/14/22 15:00	10/19/22 05:36	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/14/22 15:00	10/19/22 05:36	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-11 1.5'

Lab Sample ID: 880-20326-14

Date Collected: 10/07/22 15:45

Matrix: Solid

Date Received: 10/12/22 15:07

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			10/19/22 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 17:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 17:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		10/13/22 08:51	10/13/22 17:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			10/13/22 08:51	10/13/22 17:41	1
o-Terphenyl (Surr)	121		70 - 130			10/13/22 08:51	10/13/22 17:41	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	969		25.2	mg/Kg			10/17/22 19:10	5

Client Sample ID: C-12 1.5'

Lab Sample ID: 880-20326-15

Date Collected: 10/07/22 16:00

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 05:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 05:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 05:57	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		10/14/22 15:00	10/19/22 05:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 05:57	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		10/14/22 15:00	10/19/22 05:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			10/14/22 15:00	10/19/22 05:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130			10/14/22 15:00	10/19/22 05:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			10/19/22 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 18:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 18:01	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-12 1.5'

Lab Sample ID: 880-20326-15

Date Collected: 10/07/22 16:00

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 18:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			10/13/22 08:51	10/13/22 18:01	1
o-Terphenyl (Surr)	117		70 - 130			10/13/22 08:51	10/13/22 18:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	692		24.8	mg/Kg			10/16/22 10:36	5

Client Sample ID: C-13 1.5'

Lab Sample ID: 880-20326-16

Date Collected: 10/07/22 16:15

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		10/14/22 15:00	10/19/22 06:17	1
Toluene	<0.00201	U	0.00201	mg/Kg		10/14/22 15:00	10/19/22 06:17	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		10/14/22 15:00	10/19/22 06:17	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		10/14/22 15:00	10/19/22 06:17	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		10/14/22 15:00	10/19/22 06:17	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		10/14/22 15:00	10/19/22 06:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			10/14/22 15:00	10/19/22 06:17	1
1,4-Difluorobenzene (Surr)	98		70 - 130			10/14/22 15:00	10/19/22 06:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			10/19/22 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 18:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 18:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 18:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			10/13/22 08:51	10/13/22 18:22	1
o-Terphenyl (Surr)	120		70 - 130			10/13/22 08:51	10/13/22 18:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		25.3	mg/Kg			10/16/22 10:51	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-14 1.5'

Lab Sample ID: 880-20326-17

Date Collected: 10/07/22 16:30

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 06:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 06:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 06:38	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		10/14/22 15:00	10/19/22 06:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/19/22 06:38	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		10/14/22 15:00	10/19/22 06:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/14/22 15:00	10/19/22 06:38	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/14/22 15:00	10/19/22 06:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			10/19/22 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 18:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	10/13/22 08:51	10/13/22 18:42	1
o-Terphenyl (Surr)	107		70 - 130	10/13/22 08:51	10/13/22 18:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	795		24.9	mg/Kg			10/16/22 10:56	5

Client Sample ID: SW-4 0-1.5'

Lab Sample ID: 880-20326-18

Date Collected: 10/07/22 16:45

Matrix: Solid

Date Received: 10/12/22 15:07

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		10/14/22 15:00	10/19/22 06:58	1
Toluene	<0.00198	U	0.00198	mg/Kg		10/14/22 15:00	10/19/22 06:58	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		10/14/22 15:00	10/19/22 06:58	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		10/14/22 15:00	10/19/22 06:58	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		10/14/22 15:00	10/19/22 06:58	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		10/14/22 15:00	10/19/22 06:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/14/22 15:00	10/19/22 06:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/14/22 15:00	10/19/22 06:58	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: SW-4 0-1.5'

Lab Sample ID: 880-20326-18

Date Collected: 10/07/22 16:45

Matrix: Solid

Date Received: 10/12/22 15:07

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			10/19/22 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/14/22 11:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 19:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130			10/13/22 08:51	10/13/22 19:03	1
o-Terphenyl (Surr)	132	S1+	70 - 130			10/13/22 08:51	10/13/22 19:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	631		24.9	mg/Kg			10/16/22 11:01	5

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

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)
880-20326-1	SW-1 0-1'	91	99
880-20326-2	C-1 1'	102	106
880-20326-3	C-2 1'	111	107
880-20326-4	C-3 1'	99	103
880-20326-5	C-4 1'	105	124
880-20326-6	C-5 1'	96	100
880-20326-7	C-6 4.1'	114	94
880-20326-8	C-7 4.1'	77	122
880-20326-9	SW-3 0-4.1'	94	100
880-20326-10	SW-2 0-4.1'	78	83
880-20326-11	C-8 1.5'	84	106
880-20326-12	C-9 1.5'	97	96
880-20326-13	C-10 1.5'	81	92
880-20326-14	C-11 1.5'	99	98
880-20326-15	C-12 1.5'	95	98
880-20326-16	C-13 1.5'	100	98
880-20326-17	C-14 1.5'	101	92
880-20326-18	SW-4 0-1.5'	95	97
LCS 880-36886/1-A	Lab Control Sample	97	100
LCS 880-36984/1-A	Lab Control Sample	110	101
LCS 880-37048/1-A	Lab Control Sample	94	107
LCSD 880-36886/2-A	Lab Control Sample Dup	92	104
LCSD 880-36984/2-A	Lab Control Sample Dup	92	112
LCSD 880-37048/2-A	Lab Control Sample Dup	87	106
MB 880-36886/5-A	Method Blank	90	110
MB 880-36942/5-A	Method Blank	90	111
MB 880-36984/5-A	Method Blank	82	98
MB 880-37048/5-A	Method Blank	91	110
MB 880-37187/5-A	Method Blank	82	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-20326-1	SW-1 0-1'	105	112
880-20326-1 MS	SW-1 0-1'	103	96
880-20326-1 MSD	SW-1 0-1'	110	102
880-20326-2	C-1 1'	102	110
880-20326-3	C-2 1'	104	111
880-20326-4	C-3 1'	102	110
880-20326-5	C-4 1'	117	127
880-20326-6	C-5 1'	103	113
880-20326-7	C-6 4.1'	96	104
880-20326-8	C-7 4.1'	120	125

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-20326-9	SW-3 0-4.1'	107	115
880-20326-10	SW-2 0-4.1'	108	118
880-20326-11	C-8 1.5'	104	115
880-20326-12	C-9 1.5'	107	117
880-20326-13	C-10 1.5'	105	114
880-20326-14	C-11 1.5'	110	121
880-20326-15	C-12 1.5'	105	117
880-20326-16	C-13 1.5'	108	120
880-20326-17	C-14 1.5'	98	107
880-20326-18	SW-4 0-1.5'	118	132 S1+
LCS 880-36825/2-A	Lab Control Sample	98	104
LCSD 880-36825/3-A	Lab Control Sample Dup	82	86
MB 880-36825/1-A	Method Blank	107	117

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36886/5-A

Matrix: Solid

Analysis Batch: 36933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36886

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/13/22 13:52	10/15/22 00:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/13/22 13:52	10/15/22 00:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/13/22 13:52	10/15/22 00:27	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		10/13/22 13:52	10/15/22 00:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/13/22 13:52	10/15/22 00:27	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		10/13/22 13:52	10/15/22 00:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	10/13/22 13:52	10/15/22 00:27	1
1,4-Difluorobenzene (Surr)	110		70 - 130	10/13/22 13:52	10/15/22 00:27	1

Lab Sample ID: LCS 880-36886/1-A

Matrix: Solid

Analysis Batch: 36933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08832		mg/Kg		88	70 - 130
Toluene	0.100	0.09585		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.08710		mg/Kg		87	70 - 130
m,p-Xylenes	0.200	0.1778		mg/Kg		89	70 - 130
o-Xylene	0.100	0.08767		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-36886/2-A

Matrix: Solid

Analysis Batch: 36933

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36886

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09494		mg/Kg		95	70 - 130	7	35
Toluene	0.100	0.09512		mg/Kg		95	70 - 130	1	35
Ethylbenzene	0.100	0.08296		mg/Kg		83	70 - 130	5	35
m,p-Xylenes	0.200	0.1684		mg/Kg		84	70 - 130	5	35
o-Xylene	0.100	0.08271		mg/Kg		83	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-36942/5-A

Matrix: Solid

Analysis Batch: 36933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36942

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/14/22 10:06	10/14/22 12:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/14/22 10:06	10/14/22 12:32	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

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

Lab Sample ID: MB 880-36942/5-A

Matrix: Solid

Analysis Batch: 36933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36942

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/14/22 10:06	10/14/22 12:32	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		10/14/22 10:06	10/14/22 12:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/14/22 10:06	10/14/22 12:32	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		10/14/22 10:06	10/14/22 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	10/14/22 10:06	10/14/22 12:32	1
1,4-Difluorobenzene (Surr)	111		70 - 130	10/14/22 10:06	10/14/22 12:32	1

Lab Sample ID: MB 880-36984/5-A

Matrix: Solid

Analysis Batch: 37185

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36984

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/18/22 22:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/18/22 22:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/18/22 22:44	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		10/14/22 15:00	10/18/22 22:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/14/22 15:00	10/18/22 22:44	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		10/14/22 15:00	10/18/22 22:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	10/14/22 15:00	10/18/22 22:44	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/14/22 15:00	10/18/22 22:44	1

Lab Sample ID: LCS 880-36984/1-A

Matrix: Solid

Analysis Batch: 37185

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09814		mg/Kg		98	70 - 130
Toluene	0.100	0.09795		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1042		mg/Kg		104	70 - 130
m,p-Xylenes	0.200	0.2204		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1097		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-36984/2-A

Matrix: Solid

Analysis Batch: 37185

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36984

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1126		mg/Kg		113	70 - 130	14	35
Toluene	0.100	0.09595		mg/Kg		96	70 - 130	2	35
Ethylbenzene	0.100	0.09308		mg/Kg		93	70 - 130	11	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

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

Lab Sample ID: LCSD 880-36984/2-A

Matrix: Solid

Analysis Batch: 37185

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36984

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	0.200	0.1867		mg/Kg		93	70 - 130	17	35
o-Xylene	0.100	0.09269		mg/Kg		93	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-37048/5-A

Matrix: Solid

Analysis Batch: 37045

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37048

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/17/22 08:52	10/17/22 12:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/17/22 08:52	10/17/22 12:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/17/22 08:52	10/17/22 12:00	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		10/17/22 08:52	10/17/22 12:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/17/22 08:52	10/17/22 12:00	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		10/17/22 08:52	10/17/22 12:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	10/17/22 08:52	10/17/22 12:00	1
1,4-Difluorobenzene (Surr)	110		70 - 130	10/17/22 08:52	10/17/22 12:00	1

Lab Sample ID: LCS 880-37048/1-A

Matrix: Solid

Analysis Batch: 37045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37048

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1049		mg/Kg		105	70 - 130
Toluene	0.100	0.1048		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.09253		mg/Kg		93	70 - 130
m,p-Xylenes	0.200	0.1869		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09065		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-37048/2-A

Matrix: Solid

Analysis Batch: 37045

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37048

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09963		mg/Kg		100	70 - 130	5	35
Toluene	0.100	0.09719		mg/Kg		97	70 - 130	7	35
Ethylbenzene	0.100	0.08715		mg/Kg		87	70 - 130	6	35
m,p-Xylenes	0.200	0.1751		mg/Kg		88	70 - 130	7	35
o-Xylene	0.100	0.08443		mg/Kg		84	70 - 130	7	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-37187/5-A
Matrix: Solid
Analysis Batch: 37185

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37187

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/18/22 08:29	10/18/22 10:54	1	
Toluene	<0.00200	U	0.00200	mg/Kg		10/18/22 08:29	10/18/22 10:54	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/18/22 08:29	10/18/22 10:54	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		10/18/22 08:29	10/18/22 10:54	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/18/22 08:29	10/18/22 10:54	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		10/18/22 08:29	10/18/22 10:54	1	

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
4-Bromofluorobenzene (Surr)	82		70 - 130	10/18/22 08:29	10/18/22 10:54	1			
1,4-Difluorobenzene (Surr)	95		70 - 130	10/18/22 08:29	10/18/22 10:54	1			

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

Lab Sample ID: MB 880-36825/1-A
Matrix: Solid
Analysis Batch: 36810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36825

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 11:06	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 11:06	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/13/22 08:51	10/13/22 11:06	1	

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
1-Chlorooctane (Surr)	107		70 - 130	10/13/22 08:51	10/13/22 11:06	1			
o-Terphenyl (Surr)	117		70 - 130	10/13/22 08:51	10/13/22 11:06	1			

Lab Sample ID: LCS 880-36825/2-A
Matrix: Solid
Analysis Batch: 36810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36825

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1077		mg/Kg		108		70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1212		mg/Kg		121		70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	104		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

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

Lab Sample ID: LCSD 880-36825/3-A

Matrix: Solid

Analysis Batch: 36810

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36825

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	929.5		mg/Kg		93	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	1064		mg/Kg		106	70 - 130	13	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	82		70 - 130						
o-Terphenyl (Surr)	86		70 - 130						

Lab Sample ID: 880-20326-1 MS

Matrix: Solid

Analysis Batch: 36810

Client Sample ID: SW-1 0-1'

Prep Type: Total/NA

Prep Batch: 36825

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	998	972.5		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	998	875.1		mg/Kg		88	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	103		70 - 130								
o-Terphenyl (Surr)	96		70 - 130								

Lab Sample ID: 880-20326-1 MSD

Matrix: Solid

Analysis Batch: 36810

Client Sample ID: SW-1 0-1'

Prep Type: Total/NA

Prep Batch: 36825

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	1076		mg/Kg		105	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.8	U	998	936.2		mg/Kg		94	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	110		70 - 130								
o-Terphenyl (Surr)	102		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36935/1-A

Matrix: Solid

Analysis Batch: 37026

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			10/16/22 10:22	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-36935/2-A

Matrix: Solid

Analysis Batch: 37026

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.9		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-36935/3-A

Matrix: Solid

Analysis Batch: 37026

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	249.2		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-20326-15 MS

Matrix: Solid

Analysis Batch: 37026

Client Sample ID: C-12 1.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	692		1240	1983		mg/Kg		104	90 - 110

Lab Sample ID: 880-20326-15 MSD

Matrix: Solid

Analysis Batch: 37026

Client Sample ID: C-12 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	692		1240	1967		mg/Kg		103	90 - 110	1	20

Lab Sample ID: MB 880-36934/1-A

Matrix: Solid

Analysis Batch: 37174

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			10/17/22 17:13	1

Lab Sample ID: LCS 880-36934/2-A

Matrix: Solid

Analysis Batch: 37174

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.2		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-36934/3-A

Matrix: Solid

Analysis Batch: 37174

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.7		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-20326-1 MS

Matrix: Solid

Analysis Batch: 37174

Client Sample ID: SW-1 0-1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2200		1250	3443		mg/Kg		100	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-20326-1 MSD

Matrix: Solid

Analysis Batch: 37174

Client Sample ID: SW-1 0-1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2200		1250	3457		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-20326-11 MS

Matrix: Solid

Analysis Batch: 37174

Client Sample ID: C-8 1.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	561		1260	1851		mg/Kg		102	90 - 110		

Lab Sample ID: 880-20326-11 MSD

Matrix: Solid

Analysis Batch: 37174

Client Sample ID: C-8 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	561		1260	1819		mg/Kg		100	90 - 110	2	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

GC VOA

Prep Batch: 36886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-1	SW-1 0-1'	Total/NA	Solid	5035	
880-20326-2	C-1 1'	Total/NA	Solid	5035	
880-20326-3	C-2 1'	Total/NA	Solid	5035	
880-20326-4	C-3 1'	Total/NA	Solid	5035	
880-20326-6	C-5 1'	Total/NA	Solid	5035	
MB 880-36886/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36886/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36886/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 36933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-1	SW-1 0-1'	Total/NA	Solid	8021B	36886
880-20326-2	C-1 1'	Total/NA	Solid	8021B	36886
880-20326-3	C-2 1'	Total/NA	Solid	8021B	36886
880-20326-4	C-3 1'	Total/NA	Solid	8021B	36886
880-20326-6	C-5 1'	Total/NA	Solid	8021B	36886
MB 880-36886/5-A	Method Blank	Total/NA	Solid	8021B	36886
MB 880-36942/5-A	Method Blank	Total/NA	Solid	8021B	36942
LCS 880-36886/1-A	Lab Control Sample	Total/NA	Solid	8021B	36886
LCSD 880-36886/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36886

Prep Batch: 36942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-36942/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 36984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-7	C-6 4.1'	Total/NA	Solid	5035	
880-20326-8	C-7 4.1'	Total/NA	Solid	5035	
880-20326-9	SW-3 0-4.1'	Total/NA	Solid	5035	
880-20326-10	SW-2 0-4.1'	Total/NA	Solid	5035	
880-20326-11	C-8 1.5'	Total/NA	Solid	5035	
880-20326-12	C-9 1.5'	Total/NA	Solid	5035	
880-20326-13	C-10 1.5'	Total/NA	Solid	5035	
880-20326-14	C-11 1.5'	Total/NA	Solid	5035	
880-20326-15	C-12 1.5'	Total/NA	Solid	5035	
880-20326-16	C-13 1.5'	Total/NA	Solid	5035	
880-20326-17	C-14 1.5'	Total/NA	Solid	5035	
880-20326-18	SW-4 0-1.5'	Total/NA	Solid	5035	
MB 880-36984/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36984/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36984/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 37045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-5	C-4 1'	Total/NA	Solid	8021B	37048
MB 880-37048/5-A	Method Blank	Total/NA	Solid	8021B	37048
LCS 880-37048/1-A	Lab Control Sample	Total/NA	Solid	8021B	37048
LCSD 880-37048/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37048

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

GC VOA

Prep Batch: 37048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-5	C-4 1'	Total/NA	Solid	5035	
MB 880-37048/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37048/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37048/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 37104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-1	SW-1 0-1'	Total/NA	Solid	Total BTEX	
880-20326-2	C-1 1'	Total/NA	Solid	Total BTEX	
880-20326-3	C-2 1'	Total/NA	Solid	Total BTEX	
880-20326-4	C-3 1'	Total/NA	Solid	Total BTEX	
880-20326-5	C-4 1'	Total/NA	Solid	Total BTEX	
880-20326-6	C-5 1'	Total/NA	Solid	Total BTEX	
880-20326-7	C-6 4.1'	Total/NA	Solid	Total BTEX	
880-20326-8	C-7 4.1'	Total/NA	Solid	Total BTEX	
880-20326-9	SW-3 0-4.1'	Total/NA	Solid	Total BTEX	
880-20326-10	SW-2 0-4.1'	Total/NA	Solid	Total BTEX	
880-20326-11	C-8 1.5'	Total/NA	Solid	Total BTEX	
880-20326-12	C-9 1.5'	Total/NA	Solid	Total BTEX	
880-20326-13	C-10 1.5'	Total/NA	Solid	Total BTEX	
880-20326-14	C-11 1.5'	Total/NA	Solid	Total BTEX	
880-20326-15	C-12 1.5'	Total/NA	Solid	Total BTEX	
880-20326-16	C-13 1.5'	Total/NA	Solid	Total BTEX	
880-20326-17	C-14 1.5'	Total/NA	Solid	Total BTEX	
880-20326-18	SW-4 0-1.5'	Total/NA	Solid	Total BTEX	

Analysis Batch: 37185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-7	C-6 4.1'	Total/NA	Solid	8021B	36984
880-20326-8	C-7 4.1'	Total/NA	Solid	8021B	36984
880-20326-9	SW-3 0-4.1'	Total/NA	Solid	8021B	36984
880-20326-10	SW-2 0-4.1'	Total/NA	Solid	8021B	36984
880-20326-11	C-8 1.5'	Total/NA	Solid	8021B	36984
880-20326-12	C-9 1.5'	Total/NA	Solid	8021B	36984
880-20326-13	C-10 1.5'	Total/NA	Solid	8021B	36984
880-20326-14	C-11 1.5'	Total/NA	Solid	8021B	36984
880-20326-15	C-12 1.5'	Total/NA	Solid	8021B	36984
880-20326-16	C-13 1.5'	Total/NA	Solid	8021B	36984
880-20326-17	C-14 1.5'	Total/NA	Solid	8021B	36984
880-20326-18	SW-4 0-1.5'	Total/NA	Solid	8021B	36984
MB 880-36984/5-A	Method Blank	Total/NA	Solid	8021B	36984
MB 880-37187/5-A	Method Blank	Total/NA	Solid	8021B	37187
LCS 880-36984/1-A	Lab Control Sample	Total/NA	Solid	8021B	36984
LCSD 880-36984/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36984

Prep Batch: 37187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-37187/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

GC Semi VOA

Analysis Batch: 36810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-1	SW-1 0-1'	Total/NA	Solid	8015B NM	36825
880-20326-2	C-1 1'	Total/NA	Solid	8015B NM	36825
880-20326-3	C-2 1'	Total/NA	Solid	8015B NM	36825
880-20326-4	C-3 1'	Total/NA	Solid	8015B NM	36825
880-20326-5	C-4 1'	Total/NA	Solid	8015B NM	36825
880-20326-6	C-5 1'	Total/NA	Solid	8015B NM	36825
880-20326-7	C-6 4.1'	Total/NA	Solid	8015B NM	36825
880-20326-8	C-7 4.1'	Total/NA	Solid	8015B NM	36825
880-20326-9	SW-3 0-4.1'	Total/NA	Solid	8015B NM	36825
880-20326-10	SW-2 0-4.1'	Total/NA	Solid	8015B NM	36825
880-20326-11	C-8 1.5'	Total/NA	Solid	8015B NM	36825
880-20326-12	C-9 1.5'	Total/NA	Solid	8015B NM	36825
880-20326-13	C-10 1.5'	Total/NA	Solid	8015B NM	36825
880-20326-14	C-11 1.5'	Total/NA	Solid	8015B NM	36825
880-20326-15	C-12 1.5'	Total/NA	Solid	8015B NM	36825
880-20326-16	C-13 1.5'	Total/NA	Solid	8015B NM	36825
880-20326-17	C-14 1.5'	Total/NA	Solid	8015B NM	36825
880-20326-18	SW-4 0-1.5'	Total/NA	Solid	8015B NM	36825
MB 880-36825/1-A	Method Blank	Total/NA	Solid	8015B NM	36825
LCS 880-36825/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36825
LCSD 880-36825/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36825
880-20326-1 MS	SW-1 0-1'	Total/NA	Solid	8015B NM	36825
880-20326-1 MSD	SW-1 0-1'	Total/NA	Solid	8015B NM	36825

Prep Batch: 36825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-1	SW-1 0-1'	Total/NA	Solid	8015NM Prep	
880-20326-2	C-1 1'	Total/NA	Solid	8015NM Prep	
880-20326-3	C-2 1'	Total/NA	Solid	8015NM Prep	
880-20326-4	C-3 1'	Total/NA	Solid	8015NM Prep	
880-20326-5	C-4 1'	Total/NA	Solid	8015NM Prep	
880-20326-6	C-5 1'	Total/NA	Solid	8015NM Prep	
880-20326-7	C-6 4.1'	Total/NA	Solid	8015NM Prep	
880-20326-8	C-7 4.1'	Total/NA	Solid	8015NM Prep	
880-20326-9	SW-3 0-4.1'	Total/NA	Solid	8015NM Prep	
880-20326-10	SW-2 0-4.1'	Total/NA	Solid	8015NM Prep	
880-20326-11	C-8 1.5'	Total/NA	Solid	8015NM Prep	
880-20326-12	C-9 1.5'	Total/NA	Solid	8015NM Prep	
880-20326-13	C-10 1.5'	Total/NA	Solid	8015NM Prep	
880-20326-14	C-11 1.5'	Total/NA	Solid	8015NM Prep	
880-20326-15	C-12 1.5'	Total/NA	Solid	8015NM Prep	
880-20326-16	C-13 1.5'	Total/NA	Solid	8015NM Prep	
880-20326-17	C-14 1.5'	Total/NA	Solid	8015NM Prep	
880-20326-18	SW-4 0-1.5'	Total/NA	Solid	8015NM Prep	
MB 880-36825/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36825/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36825/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-20326-1 MS	SW-1 0-1'	Total/NA	Solid	8015NM Prep	
880-20326-1 MSD	SW-1 0-1'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

GC Semi VOA

Analysis Batch: 36959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-1	SW-1 0-1'	Total/NA	Solid	8015 NM	
880-20326-2	C-1 1'	Total/NA	Solid	8015 NM	
880-20326-3	C-2 1'	Total/NA	Solid	8015 NM	
880-20326-4	C-3 1'	Total/NA	Solid	8015 NM	
880-20326-5	C-4 1'	Total/NA	Solid	8015 NM	
880-20326-6	C-5 1'	Total/NA	Solid	8015 NM	
880-20326-7	C-6 4.1'	Total/NA	Solid	8015 NM	
880-20326-8	C-7 4.1'	Total/NA	Solid	8015 NM	
880-20326-9	SW-3 0-4.1'	Total/NA	Solid	8015 NM	
880-20326-10	SW-2 0-4.1'	Total/NA	Solid	8015 NM	
880-20326-11	C-8 1.5'	Total/NA	Solid	8015 NM	
880-20326-12	C-9 1.5'	Total/NA	Solid	8015 NM	
880-20326-13	C-10 1.5'	Total/NA	Solid	8015 NM	
880-20326-14	C-11 1.5'	Total/NA	Solid	8015 NM	
880-20326-15	C-12 1.5'	Total/NA	Solid	8015 NM	
880-20326-16	C-13 1.5'	Total/NA	Solid	8015 NM	
880-20326-17	C-14 1.5'	Total/NA	Solid	8015 NM	
880-20326-18	SW-4 0-1.5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 36934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-1	SW-1 0-1'	Soluble	Solid	DI Leach	
880-20326-2	C-1 1'	Soluble	Solid	DI Leach	
880-20326-3	C-2 1'	Soluble	Solid	DI Leach	
880-20326-4	C-3 1'	Soluble	Solid	DI Leach	
880-20326-5	C-4 1'	Soluble	Solid	DI Leach	
880-20326-6	C-5 1'	Soluble	Solid	DI Leach	
880-20326-7	C-6 4.1'	Soluble	Solid	DI Leach	
880-20326-8	C-7 4.1'	Soluble	Solid	DI Leach	
880-20326-9	SW-3 0-4.1'	Soluble	Solid	DI Leach	
880-20326-10	SW-2 0-4.1'	Soluble	Solid	DI Leach	
880-20326-11	C-8 1.5'	Soluble	Solid	DI Leach	
880-20326-12	C-9 1.5'	Soluble	Solid	DI Leach	
880-20326-13	C-10 1.5'	Soluble	Solid	DI Leach	
880-20326-14	C-11 1.5'	Soluble	Solid	DI Leach	
MB 880-36934/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36934/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36934/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-20326-1 MS	SW-1 0-1'	Soluble	Solid	DI Leach	
880-20326-1 MSD	SW-1 0-1'	Soluble	Solid	DI Leach	
880-20326-11 MS	C-8 1.5'	Soluble	Solid	DI Leach	
880-20326-11 MSD	C-8 1.5'	Soluble	Solid	DI Leach	

Leach Batch: 36935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-15	C-12 1.5'	Soluble	Solid	DI Leach	
880-20326-16	C-13 1.5'	Soluble	Solid	DI Leach	
880-20326-17	C-14 1.5'	Soluble	Solid	DI Leach	
880-20326-18	SW-4 0-1.5'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

HPLC/IC (Continued)

Leach Batch: 36935 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-36935/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36935/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36935/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-20326-15 MS	C-12 1.5'	Soluble	Solid	DI Leach	
880-20326-15 MSD	C-12 1.5'	Soluble	Solid	DI Leach	

Analysis Batch: 37026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-15	C-12 1.5'	Soluble	Solid	300.0	36935
880-20326-16	C-13 1.5'	Soluble	Solid	300.0	36935
880-20326-17	C-14 1.5'	Soluble	Solid	300.0	36935
880-20326-18	SW-4 0-1.5'	Soluble	Solid	300.0	36935
MB 880-36935/1-A	Method Blank	Soluble	Solid	300.0	36935
LCS 880-36935/2-A	Lab Control Sample	Soluble	Solid	300.0	36935
LCSD 880-36935/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36935
880-20326-15 MS	C-12 1.5'	Soluble	Solid	300.0	36935
880-20326-15 MSD	C-12 1.5'	Soluble	Solid	300.0	36935

Analysis Batch: 37174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20326-1	SW-1 0-1'	Soluble	Solid	300.0	36934
880-20326-2	C-1 1'	Soluble	Solid	300.0	36934
880-20326-3	C-2 1'	Soluble	Solid	300.0	36934
880-20326-4	C-3 1'	Soluble	Solid	300.0	36934
880-20326-5	C-4 1'	Soluble	Solid	300.0	36934
880-20326-6	C-5 1'	Soluble	Solid	300.0	36934
880-20326-7	C-6 4.1'	Soluble	Solid	300.0	36934
880-20326-8	C-7 4.1'	Soluble	Solid	300.0	36934
880-20326-9	SW-3 0-4.1'	Soluble	Solid	300.0	36934
880-20326-10	SW-2 0-4.1'	Soluble	Solid	300.0	36934
880-20326-11	C-8 1.5'	Soluble	Solid	300.0	36934
880-20326-12	C-9 1.5'	Soluble	Solid	300.0	36934
880-20326-13	C-10 1.5'	Soluble	Solid	300.0	36934
880-20326-14	C-11 1.5'	Soluble	Solid	300.0	36934
MB 880-36934/1-A	Method Blank	Soluble	Solid	300.0	36934
LCS 880-36934/2-A	Lab Control Sample	Soluble	Solid	300.0	36934
LCSD 880-36934/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36934
880-20326-1 MS	SW-1 0-1'	Soluble	Solid	300.0	36934
880-20326-1 MSD	SW-1 0-1'	Soluble	Solid	300.0	36934
880-20326-11 MS	C-8 1.5'	Soluble	Solid	300.0	36934
880-20326-11 MSD	C-8 1.5'	Soluble	Solid	300.0	36934

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: SW-1 0-1'

Lab Sample ID: 880-20326-1

Date Collected: 10/05/22 14:00

Matrix: Solid

Date Received: 10/12/22 15:07

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	36886	10/13/22 13:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36933	10/15/22 07:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 12:08	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		5			37174	10/17/22 17:28	CH	EET MID

Client Sample ID: C-1 1'

Lab Sample ID: 880-20326-2

Date Collected: 10/05/22 14:30

Matrix: Solid

Date Received: 10/12/22 15:07

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	36886	10/13/22 13:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36933	10/15/22 07:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 13:11	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		1			37174	10/17/22 17:43	CH	EET MID

Client Sample ID: C-2 1'

Lab Sample ID: 880-20326-3

Date Collected: 10/05/22 14:45

Matrix: Solid

Date Received: 10/12/22 15:07

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	36886	10/13/22 13:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36933	10/15/22 07:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 13:32	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		5			37174	10/17/22 17:47	CH	EET MID

Client Sample ID: C-3 1'

Lab Sample ID: 880-20326-4

Date Collected: 10/05/22 15:00

Matrix: Solid

Date Received: 10/12/22 15:07

Prep 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	36886	10/13/22 13:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36933	10/15/22 08:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/17/22 10:03	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-3 1'

Lab Sample ID: 880-20326-4

Date Collected: 10/05/22 15:00

Matrix: Solid

Date Received: 10/12/22 15:07

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			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 13:53	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		5			37174	10/17/22 17:52	CH	EET MID

Client Sample ID: C-4 1'

Lab Sample ID: 880-20326-5

Date Collected: 10/05/22 15:15

Matrix: Solid

Date Received: 10/12/22 15:07

Prep 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	37048	10/17/22 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37045	10/17/22 13:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 14:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		5			37174	10/17/22 17:57	CH	EET MID

Client Sample ID: C-5 1'

Lab Sample ID: 880-20326-6

Date Collected: 10/05/22 15:30

Matrix: Solid

Date Received: 10/12/22 15:07

Prep 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	36886	10/13/22 13:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36933	10/15/22 08:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 14:35	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		5			37174	10/17/22 18:12	CH	EET MID

Client Sample ID: C-6 4.1'

Lab Sample ID: 880-20326-7

Date Collected: 10/06/22 11:00

Matrix: Solid

Date Received: 10/12/22 15:07

Prep 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	36984	10/14/22 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/19/22 01:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/19/22 11:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 14:56	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-6 4.1'

Lab Sample ID: 880-20326-7

Date Collected: 10/06/22 11:00

Matrix: Solid

Date Received: 10/12/22 15:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		1			37174	10/17/22 18:17	CH	EET MID

Client Sample ID: C-7 4.1'

Lab Sample ID: 880-20326-8

Date Collected: 10/06/22 11:15

Matrix: Solid

Date Received: 10/12/22 15:07

Prep 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	36984	10/14/22 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/19/22 01:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/19/22 11:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 15:17	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		5			37174	10/17/22 18:22	CH	EET MID

Client Sample ID: SW-3 0-4.1'

Lab Sample ID: 880-20326-9

Date Collected: 10/06/22 11:30

Matrix: Solid

Date Received: 10/12/22 15:07

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	36984	10/14/22 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/19/22 03:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/19/22 11:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 15:38	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		10			37174	10/17/22 18:27	CH	EET MID

Client Sample ID: SW-2 0-4.1'

Lab Sample ID: 880-20326-10

Date Collected: 10/06/22 11:45

Matrix: Solid

Date Received: 10/12/22 15:07

Prep 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	36984	10/14/22 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/19/22 04:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/19/22 11:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 15:59	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		10			37174	10/17/22 18:31	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-8 1.5'

Lab Sample ID: 880-20326-11

Date Collected: 10/07/22 15:00

Matrix: Solid

Date Received: 10/12/22 15:07

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	36984	10/14/22 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/19/22 04:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/19/22 11:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 16:40	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		5			37174	10/17/22 18:36	CH	EET MID

Client Sample ID: C-9 1.5'

Lab Sample ID: 880-20326-12

Date Collected: 10/07/22 15:15

Matrix: Solid

Date Received: 10/12/22 15:07

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	36984	10/14/22 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/19/22 04:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/19/22 11:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 17:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		5			37174	10/17/22 18:51	CH	EET MID

Client Sample ID: C-10 1.5'

Lab Sample ID: 880-20326-13

Date Collected: 10/07/22 15:30

Matrix: Solid

Date Received: 10/12/22 15:07

Prep 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	36984	10/14/22 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/19/22 05:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/19/22 11:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 17:21	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		5			37174	10/17/22 18:56	CH	EET MID

Client Sample ID: C-11 1.5'

Lab Sample ID: 880-20326-14

Date Collected: 10/07/22 15:45

Matrix: Solid

Date Received: 10/12/22 15:07

Prep 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	36984	10/14/22 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/19/22 05:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/19/22 11:53	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-11 1.5'

Lab Sample ID: 880-20326-14

Date Collected: 10/07/22 15:45

Matrix: Solid

Date Received: 10/12/22 15:07

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			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 17:41	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	36934	10/14/22 08:54	KS	EET MID
Soluble	Analysis	300.0		5			37174	10/17/22 19:10	CH	EET MID

Client Sample ID: C-12 1.5'

Lab Sample ID: 880-20326-15

Date Collected: 10/07/22 16:00

Matrix: Solid

Date Received: 10/12/22 15:07

Prep 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	36984	10/14/22 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/19/22 05:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/19/22 11:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 18:01	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36935	10/14/22 08:56	KS	EET MID
Soluble	Analysis	300.0		5			37026	10/16/22 10:36	CH	EET MID

Client Sample ID: C-13 1.5'

Lab Sample ID: 880-20326-16

Date Collected: 10/07/22 16:15

Matrix: Solid

Date Received: 10/12/22 15:07

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	36984	10/14/22 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/19/22 06:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/19/22 11:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 18:22	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	36935	10/14/22 08:56	KS	EET MID
Soluble	Analysis	300.0		5			37026	10/16/22 10:51	CH	EET MID

Client Sample ID: C-14 1.5'

Lab Sample ID: 880-20326-17

Date Collected: 10/07/22 16:30

Matrix: Solid

Date Received: 10/12/22 15:07

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	36984	10/14/22 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/19/22 06:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/19/22 11:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 18:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Client Sample ID: C-14 1.5'

Lab Sample ID: 880-20326-17

Date Collected: 10/07/22 16:30

Matrix: Solid

Date Received: 10/12/22 15:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	36935	10/14/22 08:56	KS	EET MID
Soluble	Analysis	300.0		5			37026	10/16/22 10:56	CH	EET MID

Client Sample ID: SW-4 0-1.5'

Lab Sample ID: 880-20326-18

Date Collected: 10/07/22 16:45

Matrix: Solid

Date Received: 10/12/22 15:07

Prep 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	36984	10/14/22 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/19/22 06:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37104	10/19/22 11:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36959	10/14/22 11:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36825	10/13/22 08:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36810	10/13/22 19:03	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	36935	10/14/22 08:56	KS	EET MID
Soluble	Analysis	300.0		5			37026	10/16/22 11:01	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: CB CAL 25 36 State

Job ID: 880-20326-1
SDG: 21-0100-19

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-20326-1	SW-1 0-1'	Solid	10/05/22 14:00	10/12/22 15:07
880-20326-2	C-1 1'	Solid	10/05/22 14:30	10/12/22 15:07
880-20326-3	C-2 1'	Solid	10/05/22 14:45	10/12/22 15:07
880-20326-4	C-3 1'	Solid	10/05/22 15:00	10/12/22 15:07
880-20326-5	C-4 1'	Solid	10/05/22 15:15	10/12/22 15:07
880-20326-6	C-5 1'	Solid	10/05/22 15:30	10/12/22 15:07
880-20326-7	C-6 4.1'	Solid	10/06/22 11:00	10/12/22 15:07
880-20326-8	C-7 4.1'	Solid	10/06/22 11:15	10/12/22 15:07
880-20326-9	SW-3 0-4.1'	Solid	10/06/22 11:30	10/12/22 15:07
880-20326-10	SW-2 0-4.1'	Solid	10/06/22 11:45	10/12/22 15:07
880-20326-11	C-8 1.5'	Solid	10/07/22 15:00	10/12/22 15:07
880-20326-12	C-9 1.5'	Solid	10/07/22 15:15	10/12/22 15:07
880-20326-13	C-10 1.5'	Solid	10/07/22 15:30	10/12/22 15:07
880-20326-14	C-11 1.5'	Solid	10/07/22 15:45	10/12/22 15:07
880-20326-15	C-12 1.5'	Solid	10/07/22 16:00	10/12/22 15:07
880-20326-16	C-13 1.5'	Solid	10/07/22 16:15	10/12/22 15:07
880-20326-17	C-14 1.5'	Solid	10/07/22 16:30	10/12/22 15:07
880-20326-18	SW-4 0-1.5'	Solid	10/07/22 16:45	10/12/22 15:07

Page 42 of 44



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

DATE 10/12/2022 PAGE 2 OF 2
PO#: _____ LAB WORK ORDER#: _____
PROJECT LOCATION OR NAME: 213 CAL 25 3b 5th
LAI PROJECT # 21-0100-19 COLLECTOR: JK

20324 No. 2569
CHAIN-OF-CUSTODY

Data Reported to

TRRP report?
☐ Yes ☒ No

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

TIME ZONE
Time zone/State

Field
Sample ID

Lab #

Date

Time

Matrix

of Containers

PRESERVATION
HCl
HNO₃
H₂SO₄ ☐ NaOH ☐
ICE
UNPRESERVED

ANALYSES
BTEX ☒ MTBE ☐
TPH 418 1 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☐
DIESEL - MOD 8015 ☐
OIL - MOD 8015 ☐
VOC 8260 ☐
SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐
8081 PESTICIDES ☐ 8151 HERBICIDES ☐
8082 PCBS ☐
TCLP - METALS (RCRA) ☐ TCLP VOC ☐
TCLP - PEST ☐ HERB ☐ Semi-VOC ☐
TOTAL METALS (RCRA) ☐ OTHER LIST ☐
LEAD - TOTAL ☐ D W 200 8 ☐ TCLP ☐
RCI ☐ TOX ☐ FLASHPOINT ☐
TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
PH ☐ HEXAVALENT CHROMIUM ☐
EXPLOSIVES ☐ PECTHLORATE ☐
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
C-13 L5		10/11/22	1415	S	1						X
C-14 L5		10/11/22	1430	S	1						X
S-W-4 D-L5		10/11/22	1445	S	1						X

Loc: 880
20326

TOTAL 3

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 XERO

TURN AROUND TIME

NORMAL ☒

1 DAY ☐

2 DAY ☐

OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP 24.0

CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED

CARRIER BILL # _____

☒ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-20326-1

SDG Number: 21-0100-19

Login Number: 20326

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

Appendix F
Photographs

Tracking Number: nAPP2107435382
Closure Report
Chevron USA, Inc., CB CAL 25 36 State COM 08
Brine Water Releases
April 18, 2023



Spill area viewing East, January 14, 2022



Spill area viewing Northwest, January 14, 2022

Tracking Number: nAPP2107435382
Closure Report
Chevron USA, Inc., CB CAL 25 36 State COM 08
Brine Water Releases
April 18, 2023



Spill area viewing West, January 14, 2022



Spill area viewing Northeast, January 14, 2022

Tracking Number: nAPP2107435382

Closure Report

Chevron USA, Inc., CB CAL 25 36 State COM 08

Brine Water Releases

April 18, 2023



Excavated area viewing southwest, March 21, 2023



Excavated area viewing southwest, March 21, 2023

Tracking Number: nAPP2107435382
Closure Report
Chevron USA, Inc., CB CAL 25 36 State COM 08
Brine Water Releases
April 18, 2023



Excavated area viewing southeast, March 21, 2023



Excavated area viewing southeast, March 21, 2023

Tracking Number: nAPP2107435382
Closure Report
Chevron USA, Inc., CB CAL 25 36 State COM 08
Brine Water Releases
April 18, 2023



Excavated area viewing northwest, March 21, 2023



Excavated area viewing west, March 21, 2023

Tracking Number: nAPP2107435382
Closure Report
Chevron USA, Inc., CB CAL 25 36 State COM 08
Brine Water Releases
April 18, 2023



Backfilled excavation viewing southwest, March 21, 2023



Backfilled excavation viewing north, March 24, 2023

Tracking Number: nAPP2107435382
Closure Report
Chevron USA, Inc., CB CAL 25 36 State COM 08
Brine Water Releases
April 18, 2023



Backfilled excavation viewing south, March 24, 2023



Backfilled excavation viewing southwest, March 24, 2023

Tracking Number: nAPP2107435382
Closure Report
Chevron USA, Inc., CB CAL 25 36 State COM 08
Brine Water Releases
April 18, 2023



Backfilled excavation viewing west, March 24, 2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 209484

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 209484
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	7/3/2023